

# Seguin Independent School District



## *Secondary Education Program* **Course Catalog**

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It is the policy of Seguin ISD not to discriminate on the basis of sex, handicap, race, color, or national origin in its educational programs, services and activities and in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, as amended, and the Age Discrimination Act of 1975, as amended.

# **SEGUIN ISD INFORMATION**

## **Seguin ISD Vision Statement**

Exceptional Students to Exceptional Citizens

## **Seguin ISD Mission Statement**

To cultivate, inspire and empower students to grow and learn.

## **Seguin Independent School District**

1221 E. Kingsbury Street Seguin, TX 78155

830-372-5771

<http://www.seguinisd.net>

Seguin ISD Board of Trustees

Alejandro Guerra, President

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# Seguin High School

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Anna Lisa Vargas, Director of College, Career and Military Readiness  
Rick Bough, Director of Career and Technical Education  
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Kathy Kober, Interim Academic Dean

## Assistant Principals

Tally Neal, Sr.  
Joshua Peters  
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Angel Guadarrama

## Counselors

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Kimberli Johnson  
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Lilia Huerta

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## **COURSE SELECTION PROCESS**

Students must carefully plan their course selections. Students will receive specific instructions and assistance from school counselors during the scheduling process. However, it is important that students and parents give careful consideration to selecting appropriate courses.

Below are steps to consider during the course selection process:

### **Review the Course Catalog**

Look over course descriptions and consider any prerequisites for courses of interest

Select courses related to your future academic and career goals

Students are required to enroll in the core area courses required for graduation, which include English Language Arts and Reading, Mathematics, Science and Social Studies.

### **Orientation of Courses**

Attend student and parent presentations on course offerings.

Review the course selection sheet.

### **Parent/Guardian Approval**

A parent or guardian must sign the bottom of the course selection sheet.

Students will return the sheet to their school counselor, once complete.

### **Please note the following:**

- If there is insufficient enrollment for a course, the course may not be offered and one of the alternates listed on the student's course selection sheet will be used.
- Elective courses are scheduled based on teachers and sections available for the current school year.
- Electives may be replaced with intervention or remedial courses if a student demonstrates a need for targeted improvement.

Information in this catalog is subject to change by action of the Board of Trustees of the Seguin Independent School District, the State Board of Education, and the Texas Education Agency. Seguin Independent School District reserves the right to add courses not described herein and to delete courses if minimum enrollment criteria are not met.

# MIDDLE SCHOOL PROGRAM

## MIDDLE SCHOOL PLAN

Seguin ISD has two comprehensive middle schools: Barnes and Briesemeister Middle Schools that serve students in grades 6-8. The middle schools both operate on a seven period day with an A day schedule on Monday through Thursday and B day schedule on Friday. The curriculum and programming is designed to prepare students for post secondary readiness and to exceed the requirements set forth by the Texas Education Agency. A middle school student's three-year plan for grades 6-8 is as follows:

6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade
English Language Arts and Reading*	English Language Arts and Reading*	English Language Arts and Reading*
Mathematics*	Mathematics* / +Algebra I*	Mathematics* / +Algebra 1* / +Geometry*
Science*	Science*	Science*
Social Studies*	Social Studies*	Social Studies*
Physical Education	Physical Education/Athletics	Elective/Intervention
Fine Arts/Elective/Intervention	Fine Arts/Elective/Intervention	Elective
Fine Arts or Elective	Fine Arts or Elective	Elective

\* Courses available as Advanced +Courses for High School Credit STAAR/EOC Tested Subjects = **Bold**

Elective Options			
PE/Athletics	Fine Arts	Languages Other Than English	Other Courses
Physical Education, Grades 6-8 Pre-Athletics Boys, Grade 6 Pre-Athletics Girls, Grade 6 Boys Athletics, Grades 7-8 Girls Athletics, Grades 7-8	Art, Levels 1-2 +HS Art I Band, Levels 1-3 Mariachi, Levels 1-3 Choir, Levels 1-3 Theatre Arts, Levels 1-3	+Spanish 1, Grades 7-8 +Spanish 1 for Native Speakers, Grades 7-8 +Spanish II, Grade 8	Intro to Comp. Sci., Grade 6 AVID, Grades 6-8 Multimedia Grades 7-8 Student Aide, Grade 8 Robotics, Grades 7 +Robotics I, Grade 8 Yearbook, Grade 8 Partners in PE, Grade 8

## Middle School State Assessments

In spring 2012, the State of Texas Assessments of Academic Readiness (STAAR®) replaced the Texas Assessment of Knowledge and Skills (TAKS). The STAAR program includes annual assessments for the following middle school subjects:

- 6<sup>th</sup> grade: Math and Reading
- 7<sup>th</sup> grade: Math and Reading
- 8<sup>th</sup> grade: Math, Reading, Science and Social Studies

**NOTE:** Students who take Algebra I in middle school will be required to take the Algebra I STAAR End-of-course assessment. Students who wish to accelerate their math instruction to complete Algebra I in Grade 8 must enroll in Grade 6 or Grade 7 Math Advanced - Due to the accelerated nature of these courses, students may need to devote additional time outside of the school day for studies and tutorials. Students who wish to accelerate their math instruction to complete Geometry in Grade 8 must successfully earn a score of 80% on a Credit-by-Exam (<https://www.seguin.k12.tx.us/page/ci.accelerationexams>) for Grade 6 Math.

For more information on the STAAR state assessment program, visit the Texas Education Agency website at <http://tea.texas.gov/student.assessment/staar/>

## Middle School Course Requirements

Middle school courses offered in Seguin ISD meet and exceed the requirements set forth by the Texas Education Agency. Below is additional information for specific course requirements as specified in the Texas Education Code.

- *College and Career Readiness Instruction Requirement*  
In accordance with Texas Education Code (TEC), §28.016, requires each school district to ensure that at least once in Grade 7 or 8 each student receives instruction in high school, college, and career preparation. The instruction must include information regarding the creation of a high school personal graduation plan, the distinguished level of achievement, each endorsement, college readiness standards, and potential career choices and the education needed to enter those careers.
- *Fine Arts Requirement*  
Chapter 74 of the Texas Education Code requires all middle school students to complete one fine arts course during grades 6, 7, or 8. Elective course offerings are dependent on staff and facilities availability at each middle school campus.
- *Physical Education Requirement*  
In accordance with the Texas Education Code §28.002(l), all students in Kindergarten-Grade 8 must participate in at least 30 minutes of moderate to vigorous daily physical activity. A student in grade 6, 7, or 8 must complete 2 courses in physical education and/or athletics. Seguin ISD requires all students in Grade 6 to enroll in Physical Education.
- *Health Education Requirement*  
19 Texas Administrative Code (TAC) §74.3(a) strengthened TEKS-based health education as a requirement for students in grades 6-8. School districts must provide health education instruction in the middle school as a part of a school district's required curriculum. Health education TEKS are embedded within the Grade 6 Physical Education course in Seguin ISD.



## **MIDDLE SCHOOL POSTSECONDARY READINESS**

### **Advanced Level Courses**

Advanced level courses are offered at the middle school level in English language Arts and Reading, Mathematics, Science, and Social Studies in grades 6-8. The purpose of an advanced course is to prepare students for skills they will need to engage in the level of work that will be experienced in an Advanced Placement (AP) or Dual Credit course. Advanced level courses are aligned to the state standards but are taught at a higher level of rigor and complexity.

### **High School Credit Opportunities**

Students in middle school are provided with the opportunity to enroll in a variety of course offerings that provide for high school credit. These courses are identified on a student's transcript and will count toward fulfilling graduation requirements. High school courses completed at the middle school level are not calculated into a student's GPA and do not count toward rank determination. The courses in Seguin ISD available to middle school students include: Algebra I, Geometry I, Art I, Robotics I, Spanish I, Spanish I for Native Speakers, Spanish II, Spanish II for Native Speakers.

### **Gifted and Talented Program**

The primary goal of the Gifted and Talented Program is to develop self-directed learners who are challenged in their area of giftedness. Seguin ISD provides services to gifted students who demonstrate need for differentiation in the areas of intellectual ability, academic areas, leadership, and creativity. The Gifted and Talented programming offered at the middle school level includes advanced interdisciplinary G/T Science courses, advanced core courses, and accelerated courses in mathematics, LOTE, Art, and CTE. Students also have opportunities to accelerate instruction through Credit by Exam. Opportunities outside of the school day include Saturday experiences, Science/History Fair, Designation Imagination, A+Academics/UIL, and other clubs/activities.

### **Career and Technical Education Program**

The primary goal of the Seguin ISD Career and Technical Education (CTE) Program is to build a stronger set of skills for each student in preparing them for postsecondary success. Outcomes of the program include professional postsecondary degrees, applied and associate degrees, professional certification programs, industry-level certifications, and career-focused workforce training. The Seguin ISD CTE Program offers a variety of programs and course sequences that provide students coherent and rigorous content leading to a graduation endorsement.

### **Multilingual Program**

The primary goal of the Multilingual Program is to enable students to become competent in literacy and academic skills in English and/or another language. An English as a Second Language (ESL) course provides students with instruction in the English language and cultivates bilingualism and biculturalism. Core and ESL teachers design instruction based on the student's learning experiences and integrate the English Language Proficiency Standards (ELPS). Languages Other than English (LOTE) provide opportunities for students to learn the foundations necessary to pursue bilingualism/biculturalism performance acknowledgements.

### **Special Services**

Seguin ISD provides a continuum of alternative placements and services for students with disabilities. The district provides services with special education personnel on an itinerant, case manager support, resource setting, partially self-contained, and self-contained basis to students with disabilities in order to meet a student's special needs. Students with disabilities have available to them the variety of educational programs and services available to students without disabilities.

### **National Junior Honor Society**

National Junior Honor Society (NJHS) is the nation's premier honor recognition program for middle school students. The pillars of NJHS include leadership, scholarship, character, citizenship, and service. Induction opportunities are available to 7th or 8th grade students who meet the charter requirements (specific to each campus).

### **A+ Academics/UII and Co/Extracurricular Opportunities**

Middle School students have opportunities to become involved in a variety of co/extracurricular activities in the areas of dictionary, spelling, listening, mathematics, number sense, calcular, science, social studies, maps/graphs/charts, speech/theater, band, choice, mariachi, art, writing, yearbook, one act play, science fair, national history day, robotics, STEM, and Destination Imagination.

### **Middle School Promotion Policy [EIE (LOCAL)]**

In grades 6–8, promotion to the next grade level shall be based on an overall average of 70 on a scale of 100 based on course-level, grade-level standards (essential knowledge and skills) for all subject areas and a grade of 70 or above in language arts, mathematics, science, and social studies.

### **Middle School Schedule Changes**

Should a schedule change become necessary, a student must submit a request in writing, including the reasons for needing the change and a parent's signature. Each request will be reviewed by the counselor and may require approval by campus administration. Please note that not all schedule changes may be granted, depending on course offerings, teacher availability, and prerequisites, among other considerations.

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# HIGH SCHOOL PROGRAM

## HIGH SCHOOL GRADUATION PLAN

The **Foundation High School Program** includes the following four parts:

- A 22-credit foundation program which is the core of the new Texas high school diploma
- Five endorsement options that allow students to focus on a related series of courses
- A higher performance category, Distinguished Level of Achievement, which is Seguin ISD’s default plan

<b>Foundation High School Program with Distinguished Level of Achievement</b> <b>Credit requirements specific to at least one endorsement</b>	
<b>4 credits English</b> ELA I, II, III, IV (or advanced English)	<b>2 credits Languages Other Than English</b>
<b>4 credits Mathematics</b> Algebra I, Geometry, Algebra II, any authorized additional math course	<b>1 credit Fine Arts</b>
<b>4 credits Science</b> Biology; one credit in IPC, Chemistry or Physics; two credits in any additional science courses	<b>1 credit Physical Education or PE Substitution</b>
<b>3 credits Social Studies</b> World Geography, US History, Government (.5 credit) , Economics (.5 credit) <b>Seguin ISD recommends World History for all students</b>	<b>7 credits in electives including courses leading to completion of at least one Endorsement</b>
<b>Total: 26 credits</b>	

**Distinguished Level of Achievement = Foundation + Endorsement + Algebra II**

A student must earn Distinguished Achievement to be considered in the “Top 10%” of the class and qualify for automatic college admission. This is Seguin ISD’s default graduation plan.

**Note:** Students may move to the Foundation Graduation Plan (22 credits) only after completing their sophomore year AND with parent or guardian written permission.

### Endorsements

Students will be able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students can earn an endorsement by completing the curriculum requirements for the endorsement, including a 4<sup>th</sup> credit of math and science and two additional elective credits. Students can choose from 5 endorsement areas:

STEM	Business/ Industry	Public Service	Arts & Humanities	Multidisciplinary Studies
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## Performance Acknowledgements

Students may earn a Performance Acknowledgement on their transcript for outstanding performance on the following: Dual Credit Coursework, Bilingualism and Biliteracy, Advanced Placement (College Board) or International Baccalaureate Exams, PSAT, SAT, ACT-Aspire, or ACT, or State-recognized, nationally, or internationally recognized business or industry certification and/or license.

**For more information on state graduation requirements, including endorsements, see the TEA Graduation Toolkit, available in English and Spanish, at this [link](#)**

[\[https://tea.texas.gov/About\\_TEA/News\\_and\\_Multimedia/Brochures/TEA\\_Brochures\]](https://tea.texas.gov/About_TEA/News_and_Multimedia/Brochures/TEA_Brochures)

A high school student's **FOUR-YEAR PLAN** for grades 9-12 is as follows:

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 1*	English 2*	English 3** (DC)	English 4** (DC)
Algebra 1 or Geometry*	Geometry*or Algebra 2**	+Algebra 2* or Approved Additional Math Course	Approved Additional Math Course
Biology*	IPC or Chemistry*	Chemistry* or Physics*	+Approved Additional Science Course
World Geography*/**	World History**	US History**(DC)	Government**(DC)/ Economics**(DC)
Physical Education/ P.E. Substitution	Languages Other than English or Elective	Languages Other than English or Elective	Elective
CTE Elective or Fine Arts or Languages Other than English and/or AVID	Fine Arts or Elective	Elective	Endorsement Elective
CTE Elective or Fine Arts or Languages Other than English and/or AVID	Endorsement Elective and/or AVID	Endorsement Elective and/or AVID	Endorsement Elective and/or AVID
Course Availability: *Advanced **Advanced Placement (DC)=Dual Credit			
+Required for Distinguished Level of Achievement			

## High School State Assessments and Postsecondary Readiness Tests

**State Assessments:** In spring 2012, the State of Texas Assessments of Academic Readiness (STAAR®) replaced the Texas Assessment of Knowledge and Skills (TAKS). In order to graduate from a Texas public high school, students must pass the State of Texas Assessments of Academic Readiness (STAAR®) end-of-course (EOC) assessment in the five courses listed below:

<b>Algebra 1</b>	<b>Biology</b>	<b>English 1</b>	<b>English 2</b>	<b>US History</b>
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If a student passes the course but does not pass the end-of-course (EOC) assessment, the student may take the test again. For more information on the STAAR state assessment program, visit the Texas Education Agency website at <https://tea.texas.gov/student.assessment/parents/>.

Any student who completes Algebra I, Biology, or English I course in middle school and passes the State of Texas Assessments of Academic Readiness (STAAR®) end-of-course (EOC) assessment for that course must take the SAT or ACT assessment for that content area when they are in high school. For example, if a student takes Algebra I in middle school and passes the state assessment for the course, then the student must take the math portion of the SAT or ACT when they are in high school.

**Post-Secondary Readiness Tests:** Students may take the following additional post-secondary readiness tests. (Test names are hyper-linked to each testing agency's website for more information).

### [Advanced Placement \(AP\) Exams](#)

- College Board AP Exams are given once in May for specific AP courses and students register in their AP classes.

### [Texas Success Initiative Assessment \(TSI\)](#)

- This assessment is required for some dual credit courses.
- There is no charge to students, all costs incurred by Seguin ISD
- Students should sign up with their counselors in November

### [American College Test \(ACT\)](#)

- The ACT is typically taken by Juniors and Seniors.
- Registration is required about four weeks in advance of each test date; register by mail or on-line
- Information is available in the counseling office.

### [Scholastic Aptitude Test \(SAT\)](#)

- The SAT is typically taken by Juniors and Seniors.
- Registration is required about four weeks in advance of each test date; register by mail or on-line
- Information is available in the counseling office.

### [PSAT/National Merit Scholarship Qualifying Test \(NMSQT\)](#)

- Freshmen, sophomores, and juniors are eligible to take this test, which is offered in October. Only third-year students are eligible for National Merit Scholarship consideration.
- There is no cost to the student, all costs incurred by Seguin ISD.
- Students should sign up with their counselors in September.

### [Armed Services Vocational Aptitude Battery \(ASVAB\)](#)

- This assessment is given in grades 10-12. All students are eligible to take this test, which is usually offered during the fall semester.
- This exam is offered free of charge, each semester. Students should sign up with their counselors.

## Endorsement and Career and Technical Education (CTE) Program Options

The chart below shows the graduation endorsements available at Seguin High School. Students can complete course sequences through various CTE programs or content areas, such as Fine Arts and Languages Other Than English. Additionally, this chart identifies CTE sequences that can lead to a certification.

Endorsement	Career Cluster	Sequence	Certification(s)
<b>STEM</b>	STEM	Engineering	FAA Part 107 Remote Drone Pilot Comp TIA A+
<b>Business &amp; Industry</b>	AG	Animal Science	Certified Veterinarian Assistant, Level 1
	AG	Environmental and Natural Resources	Feed Yard Technician in Cattle Care and Handling
	AG	Mechanics	AWS D1.1 Structural Steel AWS SENSE Welding Level 1 NCCER Welding, Level 1
	ARTS & AV	Design and Multimedia Arts	Adobe Certified Associate (ACA) - Creative Cloud (Photoshop, Illustrator, InDesign, Premiere Pro, and Animate)
	BUS	Business Management	Microsoft Office Specialist Word Microsoft Office Specialist Excel
	BUS	Marketing and Sales	Microsoft Office Specialist Word Microsoft Office Specialist Excel
	CONS	Construction Management and Inspection	NCCER Core Curriculum NCCER Construction Site Safety Technician (CSST)
	CONS	Electrical	NCCER Core Curriculum NCCER Electrical, Level 1
	CONS	HVAC and Sheet Metal	NCCER Core Curriculum NCCER HVAC, Level 1

	IT	Networking Systems	CompTIA IT Fundamentals+ CompTIA Network+ CompTIA A+ Certification
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	IT	Web Development	CompTIA IT Fundamentals+ CompTIA Network+ CompTIA A+ Certification
	MANU	Welding	AWS D1.1 Structural Steel AWS SENSE Welding Level 1 NCCER Welding, Level 1
<b>Public Service</b>	COS	Cosmetology	Cosmetology Operator License
	EDU	Teaching and Training	
	HEALTH SCI	Healthcare Therapeutic Services (Pharm Tech)	Certified Pharmacy Technician
	HEALTH SCI	Healthcare Therapeutic Services (CNA)	Certified Nurse Assistant (CNA) and Certified Phlebotomy Technician
	LAW	Law Enforcement	Non-Commissioned Security Officer - Level 2
<b>Arts and Humanities</b>	FINE ARTS	Instrumental Music: Band Instrumental Music: Mariachi Vocal Music: Choir Dance Theater Production Technical Theatre Visual Arts	
	LOTE	Spanish French	
<b>Multidisciplinary Studies</b>	GEN STUDIES	4x4 Core Curriculum Advanced Studies (AP/DC)	
	EARLY COLLEGE	Early College Program	Associate Degree

## Career and Technical Education (CTE) Program Elective Four-Year Sequences

The Texas Education Agency Division of College, Career, and Military Preparation has engaged members of the workforce, secondary education, and higher education to advise on the development of programs of study, including coherent sequences of courses, industry-based certifications, and work-based learning to ensure students are prepared for in-demand, high-skill, high-wage careers in Texas. The proposed programs of study go into effect for the 2020-2021 school year and will allow Texas to meet the federal program approval requirements within the Strengthening CTE for the 21st Century Act (Perkins V).

The charts below show the four-year sequence of courses for each endorsement available at Seguin High School. **Students MUST complete the sequence of courses listed in order to earn the endorsement.** Course descriptions for all courses listed below can be found on the Seguin ISD website.

<b>STEM</b>	<b>SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Engineering</b>	Principles of Applied Engineering	Engineering Design & Presentation I	Engineering Design & Problem Solving	Practicum in Science, Technology, Engineering, and Mathematics

<b>BUSINESS &amp; INDUSTRY</b>	<b>AGRICULTURE, FOOD, AND NATURAL RESOURCES</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Animal Science</b>	Principles of Agriculture, Food, and Natural Resources	Livestock Production	Advanced Animal Science OR Veterinary Medical Applications	Practicum in Agriculture, Food, and Natural Resources
<b>Environmental and Natural Resources</b>	Principles of Agriculture, Food, and Natural Resources	Wildlife, Fisheries, and Ecology Management	Range Ecology and Management	Practicum in Agriculture, Food, and Natural Resources
<b>Plant Science</b>	Principles of Agriculture, Food, and Natural Resources	Floral Design	Advanced Floral Design	Practicum in Agriculture, Food, and Natural Resources
<b>Ag Mechanics</b>	Ag Mech & Metal Tech	Ag Structures & Des	Ag Equip Des & Fab	Practicum in Agriculture, Food, and Natural Resources



<b>BUSINESS &amp; INDUSTRY</b>	<b>ARTS, AUDIO VIDEO TECHNOLOGY, AND COMMUNICATIONS</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Digital Comm</b>	Principles of Arts, A/V Technology, and Communications	Audio/Video Production I	Audio Video Production II	Practicum in Audio/Video Production
<b>Design and Multimedia Arts</b>	Principles of Arts, A/V Technology, and Communications	Graphic Design and Illustration I	Graphic Design and Illustration II	Practicum in Graphic Design and Illustration
	Principles of Arts, A/V Technology, and Communications	Animation I	Animation II	Practicum in Animation
	Principles of Arts, A/V Technology, and Communications	Digital Media	Game Programming and Design	Practicum in Animation

<b>BUSINESS &amp; INDUSTRY</b>	<b>BUSINESS, MARKETING, AND FINANCE</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Business Management</b>	Business Information Management I	Human Resource Management and	Business Management	Practicum in Business Management
		Virtual Business		

<b>BUSINESS &amp; INDUSTRY</b>	<b>CONSTRUCTION TRADES</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Construction Management and Inspection</b>	Principles of Construction	Construction Management I	Construction Management II	Practicum in Construction Management

<b>BUSINESS &amp; INDUSTRY</b>	<b>INFORMATION TECHNOLOGY</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Cybersecurity</b>	AP Computer Science Principles	AP Comp Sci A	Networking	Practicum in Information Technology
<b>Programming &amp; Software Dev</b>	Computer Science 1	Computer Science 2	Computer Science 3	Practicum in Information Technology

<b>PUBLIC SERVICE</b>	<b>COSMETOLOGY</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Cosmetology</b>	Principles of Cosmetology Design and Color Theory	Introductions to Cosmetology	Cosmetology I	Cosmetology II

<b>PUBLIC SERVICE</b>	<b>EDUCATION AND TRAINING</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Teaching and Training</b>	Principles of Education and Training	Communication and Technology in Education	Instructional Practices	Practicum in Education and Training

<b>PUBLIC SERVICE</b>	<b>HEALTH SCIENCE</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Healthcare Therapeutic Services (Pharm Tech)</b>	Principles of Health Science	Medical Terminology	Pharmacology	Practicum in Health Science (Pharm Tech)
<b>Healthcare Therapeutic Services (CNA)</b>	Principles of Health Science	Medical Terminology	Health Science Theory	Practicum in Health Science (CNA/Phlebotomy)

<b>PUBLIC SERVICE</b>	<b>LAW ENFORCEMENT</b>			
Sequence	Level 1 Course	Level 2 Course	Level 3 Course	Level 4 Course
<b>Law Enforcement</b>	Principles of Law, Public Safety, Corrections, and Security	Criminal Investigations	Law Enforcement I	Law Enforcement II

## Seguin ISD Early College High School (ECHS)

In January 2014, Seguin Independent School District and Alamo Colleges – St. Philip’s College jointly created the Seguin Early College High School (ECHS). The Seguin ECHS has a primary goal of affording students from underrepresented backgrounds the opportunity to earn an Associate’s degree or 60+ hours. Students are able to earn college credit at no cost to them or their families.

As a Texas Education Agency designated campus, Seguin ECHS recruitment and enrollment processes shall identify, recruit, and enroll the sub- populations of at-risk students, first-generation college goers, and students of low socioeconomic status, however, we encourage students of all backgrounds to apply.

- The amount of money saved by students and their families is \$16,000+.
- Students interested in the Associate Degree pathway must begin this plan freshman year.
- Seguin ISD provides an ECHS Summer Bridge Program that is open to all students, **but is required for Associate Degree students.**
- Parent and student presentations are held at each middle school during the spring semester of the student’s Grade 8 year.

For more information, see the school counselor or visit the Seguin Early College High School website [<http://www.seguin.k12.tx.us/page/echs2.new>].

## Seguin ISD P-TECH (Pathways in Technology) Academy

New to Seguin ISD in the fall of 2023, the Pathways in Technology Academy is an open-enrollment high school focusing on workforce pathways aligned with high-demand, high-wage fields. In partnership with Alamo Colleges - Northwest Vista College, the primary goal of the Seguin P-TECH Academy is to provide students from underrepresented backgrounds the opportunity to earn an Associate of Applied Science degree (or 60+ hours) and Pharmacy Technology Certifications in addition to a high school diploma at no cost to them or their families.

The program is career focused offering job shadowing and industry internships through partnership with local businesses. Students who graduate from the program will enter the workforce with proven, in-demand skill sets. Some coursework earned through the Associate of Applied Science degree may transfer to a 4-year university for those wishing to continue their education.

As a Texas Education Agency designated campus, Seguin P-TECH Academy recruitment and enrollment processes shall identify, recruit, and enroll the sub-populations of at-risk students, first-generation college goers, and students of low socioeconomic status, however, we encourage students of all backgrounds to apply.

- The amount of money saved by students and their families is \$16,000+.
- Students interested in the Associate Degree pathway must complete an application in February of their 8<sup>th</sup> grade year.
- Seguin ISD provides a P-TECH Summer Bridge Program that is open to all students, **but is required for Associate Degree students.**
- Parent and student presentations are held at each middle school during the spring semester of the student’s Grade 8 year.

For more information, see the school counselor or visit the Seguin P-TECH Academy website: <https://sites.google.com/seguin.k12.tx.us/seguin-p-tech-academy/home>

## **Advancement Via Individual Determination (AVID)**

AVID is a global non-profit organization dedicated to closing the achievement gap by preparing all students for college and career postsecondary opportunities.

The mission of the AVID program is to ensure that all students, especially those in the middle who are capable of completing a college-preparatory path, have a chance to succeed and to increase enrollment of these students in four-year colleges and universities. For more information regarding AVID, please visit the [AVID website](#).

Beginning in grade 9, all Associate Degree students are enrolled in the AVID elective class as part of the Seguin Early College High School program, however all students are welcome to enroll. AVID is also available as an elective class for students in grades 6 - 8. AVID students receive the academic, social, and emotional support that will help them succeed in their school's most rigorous courses.

Primary components of the AVID Elective Course are:

- **Academic Success:** Students will receive instruction on note-taking, time-management, organization skills, and study skills. Students will also participate in weekly grade monitoring.
- **College & Career Exploration/Application:** Students will participate in college and career exploration activities as well as receive support for post-secondary applications, financial aid, and scholarships.
- **Tutorial Support:** Students will receive two hours per week of academic support in study groups facilitated by college tutors.

## Dual Credit Courses

Seguin High School offers students the opportunity to enroll in college-level courses through academic and technical dual credit programs in which students earn college-level credit while at the same time fulfilling high school academic requirements. Seguin High School has dual credit courses available through St. Philip's College, Northwest Vista College and Texas Lutheran University (TLU). Some of these courses are offered on the Seguin High School campus, while some are offered at the college campus.

Dual Credit courses will be offered by Seguin High School if enough students sign up to make a class. Neither Seguin High School nor participating colleges are obligated to form a class without the required minimum number of students. **Students must meet enrollment requirements for the participating college in order to sign up for the class.** If the student fails a dual credit or dual participation course required for high school graduation, the student cannot use the course to meet his/her graduation requirement.

Students interested in taking a dual credit course(s) over the summer must complete and submit the SHS Course Request Approval form to Ms. Vargas, Director of CCMR, by March 1<sup>st</sup>. Forms are available from the student's counselor and/or Ms. Vargas.

### *Texas Lutheran University (TLU)*

The TLU Dual Participation program provides an opportunity for some seniors to attend TLU to earn college-level credit. Any senior wishing to participate in the program must meet the following criteria:

- Ranked in the top 10% of the class
- Have an SAT of 1180 (Critical Reading and Math only)
- ACT Composite Score of 25

Participation is limited to the courses outlined in the TLU Dual Participation/SHS Course Crosswalk as these courses have been aligned to equivalent courses for state credit. Please note that some courses, such as English IV, require students to attend both semesters of the college course to earn the full credit for the high school equivalent course. If the student fails a dual participation course required for high school graduation, the student cannot use the course to meet his/her graduation requirement.

As part of the Dual Participation Program, students may enroll in one college course per semester. Any additional courses will require counselor and administrator approval. Parents and/or students are responsible for additional tuition and fees.

## **Personal Graduation Plans (PGPs)**

All students are required to complete a high school personal graduation plan (PGP) before the end of their 9<sup>th</sup> grade year which will include a four-year plan of study based on their selected endorsement. Texas Education Code 28.02121 states that the personal graduation plan “must include information concerning the benefits of choosing a high school personal graduation plan that includes the distinguished level of achievement under the foundation high school program and includes one or more endorsements to enable the student to achieve a class rank in the top 10 percent for students at the campus.” The personal graduation plan is a working document that counselors will use to monitor student completion of graduation requirements.

## **Academic Achievement**

### *Grade Level Classification*

Grade level advancement for students in grades 9–12 shall be earned by course credits in accordance with the course catalog per Board Policy EIE (LOCAL). Additionally, 90% attendance is required to earn credit or a final grade in a course per Board Policy FEC (LEGAL). Any required course failed during the school year should be retaken in summer school, by correspondence, or through credit-by-exam or credit recovery.

Classifications for the 2021-2022 school year as determined by credits are: Sophomore – 5 credits  
Junior – 10 credits Senior – 15 credits

Any student who does not pass to the next grade level at the end of a school year (or following summer school) can be reclassified to the next grade level at the end of the next semester if he or she recovers all deficient credits.

*Rank and Weight* [Board Policy EIC (LOCAL) Adopted October 6, 2015]

### Grade Point Average

Eligible courses for the calculation of class rank shall include semester grades earned in courses taken for state graduation credit in grades 9–12 only, exclusive of grades earned in summer school; distance learning courses; credit recovery courses; pass/fail courses; and through credit by examination, with or without prior instruction.

A student’s weighted numerical grade average shall be computed by totaling the semester numerical grades and dividing by the number of courses taken. When multiple-period courses are included in computing the average, the semester numerical grade shall be entered the same number of times as the number of periods per day the student is enrolled in the course, and that number of periods shall also be reflected in the divisor. The calculation shall include failing grades.

For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank in accordance with this policy and administrative regulations by using grades available at the time of calculation at the end of the fifth six-week grading period of the senior year.

### Weighted Courses

All courses shall be weighted according to an objective review of course content. The District shall assign weights to semester grades earned in eligible courses and shall calculate a weighted numerical grade average in accordance with the following:

<b>Course Level</b>	<b>Weight</b>
AP/Dual Credit	Multiplied by 1.10
Advanced	Multiplied by 1.05
Regular	Multiplied by 1.00

### *Transfer Students*

When a student transfers semester grades for courses that would be eligible under the Regular category and the District has accepted the credit, the District shall include the grades in the calculation of class rank.

When a student transfers semester grades for courses that would be eligible to receive additional weight under the District's weighted grade system, the District shall assign additional weight to the grades based on the categories and grade weight system used by the District.

For students transferring into the District, if the sending institution uses letter grades, the conversion shall be as follows:

A+ = 98	B+ = 88	C+ = 79	D+ = 74
A = 95	B = 85	C = 77	D = 72
A- = 91	B- = 81	C- = 75	D- = 70
			F = 69

### *Local Graduation Honors*

For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank in accordance with this policy and administrative regulations by using grades available at the time of calculation at the end of the fifth six-week grading period of the senior year. For the purpose of applications to institutions of higher education, the District shall also calculate class rank as required by state law. The District's eligibility criteria for local graduation honors shall apply only for local recognitions and shall not restrict class rank for the purpose of automatic admission under state law.

[See EIC(LEGAL)]

### *Honor Graduates (from Seguin ISD Procedures Manual and Student-Parent Handbook)*

The top ten percent of graduates who have completed the Recommended or Advanced/Distinguished Achievement Program shall be determined from the students' high school graduating class and designated as honor graduates. The top two percent of honor graduates shall be designated as summa cum laude. The next three percent of honor graduates shall be designated as magna cum laude. The final five percent of the honor graduates shall be designated as cum laude.

### *Valedictorian and Salutatorian*

The valedictorian and salutatorian shall be the eligible students with the highest and second highest rank, respectively. To be eligible for this local graduation honor, a student must:

1. Have been enrolled in the District high school for no fewer than four semesters and have been continuously enrolled in the District high school for the two semesters immediately preceding graduation;
2. Have completed the Recommended Program, the Advanced/Distinguished Achievement Program, or the foundation program with the distinguished level of achievement; and
3. Be graduating after exactly eight semesters of enrollment in high school.



## **Advanced Academics**

Seguin ISD is committed to providing multiple opportunities for students to participate in advanced academic coursework during their high school experience. The section below provides more information regarding available opportunities and district policies supporting advanced academics. Additionally, advanced academics provide opportunities to serve students identified as Gifted and Talented (GT).

Advanced Academics Course Student Agreements are applicable for all weighted courses.

Students who participate in advanced academic courses must complete an Advanced Academics Course Student Agreement(s) and turn in the completed agreement(s) signed by parent or guardian to their teacher before the end of the first week of school. Success in advanced academic courses requires the student's commitment to the expectations of the advanced level course program. Students will be expected to:

- analyze, synthesize, and manipulate knowledge and skills and think critically;
- budget time effectively and efficiently and develop successful study skills;
- commit to a daily academic action plan and attend tutoring regularly if needed;
- come to school early and/or stay late in order to attend tutoring;
- engage in electronically-assigned research and/or communications; and
- increase advanced content area vocabulary.

For more information about the Advanced Level Course Agreements and/or to see a sample agreement please contact a school counselor.

### *Advanced Placement (AP) Courses*

Advanced Placement courses are offered in many content areas and can be found within each core course listing. They provide students with a rigorous course of study that mirrors the complexity and level of depth that students will encounter in post-secondary institutions. The curriculum is approved by the College Board and will prepare students to sit for AP exams in which they will have the opportunity to demonstrate college-level performance and potentially earn college credits. Students taking these courses are required to take the AP exams that are offered in the spring. There are additional exam fees paid independently by the student to the College Board. Seguin ISD is committed to working with all students and their families to provide fee reduction and/or waiver opportunities, as applicable. Students can visit the College Board website or visit with their counselor to learn more about the score requirements and credit awarding at different colleges and institutions.

Any student in 9<sup>th</sup> – 12<sup>th</sup> grades may enroll in an advanced academics course as long as the student and the parents are willing to commit to the program. Seguin ISD encourages students to enroll in advanced coursework in order to provide rigorous learning experiences that help to prepare all students for postsecondary readiness and for success in attaining College, Career, and Military Readiness (CCMR) indicators.

Students should carefully select the number of advanced courses for which he/she enrolls in order to ensure balance of life, home, school, and extracurricular activities. If a change in scheduling is recommended based on students' needs, the schedule change would take place up to the end of the first six weeks or at the end of the first semester. Parent/teacher/counselor communication is required prior to withdrawal from the course.

### *Examination for Acceleration*

In accordance with Board Policy EHDC (LOCAL), students in grades 6-12 may be given credit for an academic subject for whom he or she had no prior instruction. If a student is given credit in a subject on the basis of an examination on which the student scored 80 percent or higher, the District shall enter the examination score on the student's transcript and the student is not required to take an end-of-course (EOC) assessment instrument under Education Code 39.023(c) for the course. For more information about Credit by Examination, see the Seguin ISD website at <http://www.seguin.k12.tx.us/page/ci.accelerationexams>.

### *Gifted and Talented (GT) Services*

Seguin ISD defines gifted and talented as any child or youth in grades K-12 who performs at, or shows the potential for performing at, a remarkably high level of accomplishment when compared to others of the same age, experience, or environment in one or more of the following areas: intellectual ability, content areas, leadership, or creativity.

Students who participate in services designed for gifted students will demonstrate skills in self-directed learning, thinking, research, and communication as evidenced by the development of innovative products and performances that are advanced in relation to students of similar age, experience, or environment and that reflect individuality and creativity. High school graduates who have participated in services for gifted students will produce products and performances of professional quality as part of their program services.

Seguin ISD offers services for identified GT students through advanced and Advanced Placement courses from a teacher who has completed the state required training in the nature and needs of gifted learners. Additionally, teachers may utilize resources from the Texas Performance Standards Project (TPSP) in their classes. This resource provides differentiated instruction to GT students through a coherent package of standards, curriculum, and assessments. For more information about the Texas Performance Standards Project (TPSP), visit <http://www.texaspsp.org/>. Extra-curricular and Co-curricular opportunities are also provided for students including Destination ImagiNation, UIL activities, Science Fair, and leadership experiences.

### *Other Opportunities for Acceleration*

Additional opportunities will be considered for students who are interested in completing their course work at an accelerated pace. Any opportunity for acceleration will require pre-approval by campus administration. Additionally, Seguin ISD does not assume any costs related to opportunities for acceleration not offered at Seguin High School. Considerations include alignment of acceleration opportunity to state graduation requirements and state-approved Texas Essential Knowledge and Skills (TEKS) of specific courses. Students must also meet any necessary prerequisites for acceleration.

### **Credit by Examination**

In accordance with Board Policy EHDB (LEGAL), a student in any of grades 6–12 may be given credit for an academic subject in which he or she had some prior instruction if the student scores 70 percent or higher on a criterion-referenced test approved by the Board for the applicable course. For more information about Credit by Examination, please visit <http://www.seguin.k12.tx.us/page/ci.accelerationexams>.

# Seguin ISD Early College High School (ECHS) & P-TECH (Pathways in Technology) Academy Academic Policies

The following academic policies of the School District and College shall apply to all students enrolled in the ECHS/P-TECH as applicable.

- ECHS/P-TECH students are expected to meet academic standards (including academic progress) for College coursework.
- Semester grades and grading policies shall be outlined in each instructor’s course syllabus. Grades are awarded on a 4.0 scale at the College, and High School will convert them to High School letter grades according to its procedures.
- ECHS/P-TECH students will be informed by the instructor of academic progress/grade status at mid-semester and prior to the Last Day to Drop. Students struggling to maintain a passing grade will be advised by the instructor or the high school counselor to withdraw from the College course in order to avoid future problems related to admissions, financial aid, and scholarships.
- Withdrawal from the College course does not result in a withdrawal from the high school course; however, the student’s permanent college transcript will indicate a “Withdrawal.”
- The ECHS/P-TECH personnel are responsible for advising ECHS/P-TECH students concerning academic progress in high school and college courses.
- Faculty will follow the College policies for Early Alert and grade posting. The ECHS/P-TECH staff and the College Dual Credit Liaison are responsible for monitoring these actions.

Students who fail to maintain a cumulative grade point average (GPA) of 2.00 (C average) are considered scholastically deficient and can be placed on early academic alert, mandatory intervention or academic suspension as appropriate by the College or ECHS. Grade policies for St. Philip’s College are accessible on their website at <http://alamo.edu/spc/>.

St. Philip’s College (SPC) & Northwest Vista College (NVC) Grading Scale: SPC/NVC Instructors assign a final letter grade at the end of the semester based on the grade scale listed below:

A: 90% - 100%                      B: 80% - 89%                      C: 70% - 79%                      D: 60% - 69%                      F: Below 60%  
I: Passing, but did not complete all required work (one unit test or the final examination, for example). (Students must complete work within 120 days, or the grade will be changed to an F.)

Seguin ISD Grade Conversion chart for letter grades submitted by SPC & NVC instructors:

<b>A = 95</b>	<b>B = 85</b>	<b>C = 77</b>	<b>D = 72</b>	<b>F = 69</b>
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## Physical Education Requirements

The physical education curriculum operates under specific state (Texas Education Code 28.002) and local guidelines, outlined below:

- Each student is required to complete one (1.0) credit of physical education to meet State graduation requirements.
- General Physical Education courses may be taken only once and students may be enrolled in only one Physical Education course per semester.
- Physical Education substitutions allow a student to use approved physical activities to meet the state physical education graduation requirement.

- Courses that are substituted for physical education may NOT also be counted to meet other graduation requirements
- All students must be assessed on their physical fitness based on their Physical Education Classification using the FITNESSGRAM Assessment.

### **Athletics**

Seguin High School offers a variety of competitive sports for both girls and boys. Athletic activities are operated under guidelines of the University Interscholastic League (UIL). Participation requires approval of the head coach of the respective sport(s), parent permission, a physical examination by a licensed physician, and maintenance of a satisfactory academic record.

### **Cheerleading**

Cheerleaders perform at most sporting events and represent SHS in competition with other 5A schools. Parent permission and fees of approximately \$600 are required. Students may earn PE Substitution credit for Cheerleading to meet State graduation requirements.

### **Marching Band**

Band students earn PE Substitution credit in addition to fine arts credit by meeting physical activity requirements through participation in Marching Band.

### **Dance**

Students enrolled in dance team or in other curricular dance courses may receive PE substitution credit in addition to fine arts credit by meeting physical activity requirements.

### **Sports Medicine Courses**

Sports Medicine courses do NOT count as the physical education requirement for State graduation.

## **English as a Second Language (ESL) Program**

Seguin High School provides English as a Second Language (ESL)/sheltered instructional strategies to students identified as Limited English Proficient (LEP). Additionally, the high school language arts curriculum provides ESL support for English Language Learners who are recent immigrants (0-3 years in U.S. schools) through an English for Speakers of Other Languages (ESOL) class. The purpose of the ESL program is to enable LEP students to be competent in the comprehension, speaking, reading and composition of the English language through the integrated use of second language methods.

## **Career and Technical Education**

The Seguin ISD Career and Technical Education (CTE) Department offers multiple programs and course sequences that provide students coherent and rigorous content leading to a graduation endorsement. CTE Programs are designed to build a stronger set of skills for each student preparing them for a diverse set of outcomes ranging from professional post-secondary degrees to career-focused workforce training. The CTE programs are designed to be hands-on and industry driven, leading to practical applications. Each CTE program leads to three possible graduation endorsements.

Please visit <http://www.seguin.k12.tx.us/page/cte.home> for more information about the Seguin ISD CTE Department.

## **Flexible School Day (FSD)**

The Flexible School Day Program (FSD) allows districts to provide flexible hours and days of attendance for students who meet at least one of the following requirements, as established by Texas Education Code:

- will be denied credit for one or more classes due to attendance requirements
- at risk of dropping out of school

In order to be accepted into the Flexible School Day Program a student must meet program requirements, submit an application, and receive Principal approval. The program is self-paced and students are required to complete at least half a credit in 6 weeks or less. Students who do not complete the half credit by 6 weeks will go for review and possibly lose all course work completed up to date. For more information or application, students should make an appointment with their grade level Counselor.

## **Mercer-Blumberg Learning Center**

Mercer-Blumberg Learning Center, or MLBC, provides alternative educational opportunities for Seguin High School students. Eligible students work with their counselor to create an individualized program of study. For more information on how to apply, students should make an appointment with their grade level Counselor.

## **Section 504 Services**

Section 504 of the Rehabilitation Act of 1973 is a Civil Rights Act, which prohibits discrimination against individuals with a disability in any program receiving Federal financial assistance. In order to fulfill its obligation under Section 504, Seguin ISD recognizes a responsibility to avoid discrimination in policies and practices regarding its students. No discrimination against any students solely due to his/her disability will knowingly be permitted in any of the programs and practices in the school system. The school district has specific responsibilities under Section 504 which include the responsibility to identify, evaluate and, if the student is determined to be eligible under Section 504, to afford access to necessary educational accommodations. For more information regarding Section 504, contact the campus counselor.

## **Special Education Services**

Seguin ISD provides a continuum of special education services for students with disabilities. Special education services are provided according to the student's Individualized Education Plan (IEP) as per the recommendation of the Annual Review and Dismissal (ARD) Committee. For more information, please see the Seguin ISD Matador Special Services Department website at <http://www.seguin.k12.tx.us/page/specialeducation.home>.

## **HIGH SCHOOL COURSE OFFERINGS**

This next section of the course catalog contains a list of all courses offered at Seguin High School, organized by content area. Course descriptions for all courses are listed in the Course Description section of this catalog.

## Dual Credit Course Offerings

The chart below provides a list of dual credit offerings through a partnership with Alamo Colleges - St. Philip's and the alignment between high school and college courses. It also contains the required Texas Success Initiative Assessment (TSIA) scores required to enroll in the course. Below are the passing standards required for each dual credit course according to St. Philip's College's enrollment policies.

SHS Course and Code	High School Credit	College Course	College Credit Hours	Required TSIA Reading or ELAR Score	Required TSIA Writing & Writeplacer or ELAR Writeplacer	Required TSIA Math Score
<b>Art I: Art Appreciation</b> (0513) Grades 10-12	0.5	ART 1301: Art Appreciation	3	Placement score of 351 <b>OR</b> 310 or higher <u>with</u> ABE score 3 or higher	Essay score of 4 or higher plus 340 <b>OR</b> higher on Placement <b>OR</b> 310 or higher <u>with</u> ABE 3 or higher	No Minimum Score Required
				<b>TSIA2: ELAR 910-990 and Diagnostic Level 1-3</b>		No Minimum Score Required
<b>MAPS I</b> Methodology of Academic & Personal Success (4121) Grades 10-12	0.5	EDUC 1300: Learning Framework <b>(ECHS ONLY)</b>	3	Placement score of 351 <b>OR</b> 310 or higher <u>with</u> ABE score 3 or higher	Essay score of 4 or higher plus 340 <b>OR</b> higher on Placement <b>OR</b> 310 or higher <u>with</u> ABE 3 or higher	No Minimum Score Required
				<b>TSIA2 ELAR: 910-990 and Diagnostic Level 1-3</b>		<b>TSIA2: No minimum score required</b>
<b>Independent Study in Math 1 (YR): College Algebra</b> (2068) Grades 11-12	1.0	MATH 1314: College Algebra	3	Not required anymore as of 9/2021	Not required anymore as of 9/2021	350
						TSIA2 MATH: 950-990 OR 901-949 AND Diagnostic Level 6
<b>Independent Study in Math 1 or 2 (YR): College Algebra Pre-calculus</b> (2070/2071) Grades 11-12	1.0	MATH 1414 & MATH 2412: College Algebra Pre-Calculus	8	Not required anymore as of 9/2021	Not required anymore as of 9/2021	350
						<b>TSIA2: 950-990 OR 901-949 AND Diagnostic Level 6</b>

SHS Course and Code	High School Credit	College Course	College Credit Hours	Required TSIA Reading or ELAR Score	Required TSIA Writing & Writeplacer or ELAR Writeplacer	Required TSIA Math Score
<b>Scientific Research and Design: Biology (3144)</b> Grades 11-12	1.0	BIOL 1406 & 1407: Biology for Science Majors I & II  (Must earn a C or higher in BIOL 1406 to enroll in BIOL 1407.)	8	351	340 w/Essay 4 or Essay 5 or higher	343
				<b>TSIA2:945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: 910-949 AND Diagnostic Level 4</b>
<b>Anatomy &amp; Physiology (YR) (3031)</b> Grade 12	1.0	BIOL 2401 & 2402: Human Anatomy & Physiology I & II (Must earn a C or higher in BIOL 2401 to enroll in 2402.)	8	351	340 w/Essay 4 or Essay 5 or higher	343
				<b>TSIA2:945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: 910-949 AND Diagnostic Level 4</b>
<b>Psychology (4128)</b> Grades 11-12  <b>(ONLINE COURSE)</b>	0.5	PSYC 2301: General Psychology	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>
<b>Special Topics in Social Studies: Social Psychology (4086)</b> Grades 11-12 <b>(ONLINE COURSE)</b>	0.5	PSYC 2319: Social Psychology (Must earn a C or higher in PSYC 2301 to enroll in PSYC 2319.)	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>

SHS Course and Code	High School Credit	College Course	College Credit Hours	Required TSIA Reading or ELAR Score	Required TSIA Writing & Writeplacer or ELAR Writeplacer	Required TSIA Math Score
<b>Music Theory</b> (7319) Grades 9-12	1.0	MUSI 1306: Music Theory	3	No minimum scores required, but student must take all 3 parts.		
<b>English 3</b> (1080) Grade 11	1.0	ENGL 1301 & 1302: Composition I & II (Must earn a C or higher in ENGL 1301 to enroll in ENGL 1302.)	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>
<b>English 4</b> (1199) Grade 12	1.0	ENGL 2322 & 2323: British Lit. I & II  (Must earn a C or higher in ENGL 2322 to enroll in ENGL 2323.)	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>
<b>US Government</b> (4198) Grade 12  <b>(ONLINE COURSE)</b>	0.5	GOVT 2305: Federal Government	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>



SHS Course and Code	High School Credit	College Course	College Credit Hours	Required TSIA Reading or ELAR Score	Required TSIA Writing & Writeplacer or ELAR Writeplacer	Required TSIA Math Score
<b>Social Studies Research Methods: Texas Government</b> (4081) Grade 12 <b>(ONLINE COURSE)</b>	0.5	GOVT 2306: Texas Government	3	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>
<b>Economics with Emphasis on the Free Enterprise System and its Benefits</b> (4199) Grade 12 <b>(ONLINE COURSE)</b>	0.5	ECON 2301: Principles of Macroeconomics	3	351	340 w/Essay 4 or Essay 5 or higher	343
				<b>TSIA2:945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2:910-949 AND Diagnostic Level 4</b>
<b>US History</b> (4190) Grade 11	1.0	HIST 1301 & 1302: US History I & II	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>
<b>Special Topics in Social Studies: World Civilization</b> Grade 12	1.0	HIST 2321 & 2322: World Civilization I & II	6	351	340 w/Essay 4 or Essay 5 or higher	No Minimum Score Required
				<b>TSIA2: 945-990 AND Essay 5-8 OR 910-944 AND Diagnostic Level 5-6 AND Essay 5-8</b>		<b>TSIA2: No minimum score required</b>

SHS Course and Code	High School Credit	College Course	College Credit Hours	Required TSI Reading Score	Required TSI Writing and/or Essay Score	Required TSI Math Score
<b>Communication Applications</b> (1910) Grades 9-12	0.5	SPCH 1311: Intro to Speech Communication	3	Placement score of 351 <b>OR</b> 310 or higher <u>with</u> ABE score 3 or higher	<b>Essay score of 4 or higher plus 340 or higher on Placement OR 310 or higher with ABE 3 or higher</b>	No Minimum Score Required
				<b>TSIA2: 910-990 and Diagnostic Level 1-3</b>		<b>TSIA2: No minimum score required</b>
<b>Spanish III</b> (1577) Grades: 10-12	1.0	SPAN 1411 & 1412: Elementary Spanish I & II	8	No minimum score required, but must take all 3 parts	No minimum score required, but must take all 3 parts	No minimum score required, but must take all 3 parts
<b>Spanish IV</b> (1591) Grades: 10-12	1.0	SPAN 2311 & 2312: Intermediate Spanish I & II	6	Must have successfully completed/passed SPAN 1411 & 1412.		
<b>Medical Terminology</b> 8081DC Grades: 9-12	0.5	HITT 1305	3	<b>TSIA2: No minimum score required, but must take both parts of the test.</b>		<b>TSIA2: No minimum score required, but must take both parts of the test.</b>

## **ENGLISH LANGUAGE ARTS AND READING**

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
English 1	1002	9	1.0	Year	
English 1 Advanced	1009	9	1.0	Year	
English 1 SIM	1002H	9	1.0	Year	Committee approval or ESL, B,I,A Reading TELPAS score
English 1	1002A	9	1.0	Year	Committee approval
English 2	1022	10	1.0	Year	
English 2 Advanced	1029	10	1.0	Year	
English 2 SIM	1022H	10	1.0	Year	English 1 SIM and/or committee approval or ESL, B,I,A Reading TELPAS score, English 1 SIM and/or committee approval
English 2A SIM	1022A HE	10	1.0	Year	ESL, B,I,A Reading TELPAS score, has not attended English I SIM
English 2	1022A	10	1.0	Year	Committee approval
English 3	1052	11	1.0	Year	
English 3 Advanced Placement	1069	11	1.0	Year	
English 3 Dual Credit	1080	11	1.0	Year	TSI requirements
English 4	1082	12	1.0	Year	
English 4 Advanced Placement	1099	12	1.0	Year	
English 4 Dual Credit	1199	12	1.0	Year	TSI requirements
College Prep ELA	1090	12	1.0	Year	TSI requirements
Reading Seminar 1	1618	9-10	1.0	Year	Committee approval
Communications Applications Dual Credit	1910	9-12	0.5	Semester	TSI requirements
Debate 1	1812	10-12	1.0	Year	
Debate 2	1813	10-12	1.0	Year	
Debate 3	1814	10-12	1.0	Year	
Literary Genres: Mythology	1760	11-12	0.5	Semester	
Literary Genres: Bible as Literature	1765	11-12	0.5	Semester	
English 1 Speakers of Other Languages (ESOL)	1011	9	1.0	Year	Committee approval

English 1 Speakers of Other Languages (ESOL)	1011A	9	1.0	Year	Committee approval
English 2 Speakers of Other Languages (ESOL)	1031	10	1.0	Year	English 1 (ESOL) and Committee approval
English 2 Speakers of Other Languages (ESOL)	1031A	10	1.0	Year	English 1 (ESOL) and Committee approval
ELDA 1	1567	9	1.0	Year	Committee approval
ELDA 2	1568	10	1.0	Year	ELDA 1 or Committee approval
Reading ESOL 2	1611	10	1.0	Year	Committee approval

## **MATHEMATICS**

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
Algebra 1	2003	9-12	1.0	Year	
Algebra 1	2003A	9-12	1.0	Year	Committee approval
Geometry	2023	9-12	1.0	Year	Algebra 1
Geometry Advanced	2029	9-12	1.0	Year	Algebra 1
Algebra 2	2053	9-12	1.0	Year	Algebra 1
Algebra 2 Advanced	2059	9-12	1.0	Year	Algebra 1
Math Models	2061	11-12	1.0	Year	Algebra 1
Advanced Quantitative Reasoning (AQR)	2018	11-12	1.0	Year	Algebra 2 and Geometry
Precalculus	2062	11-12	1.0	Year	Algebra 1, Geometry and Algebra 2
Precalculus Advanced	2064	11-12	1.0	Year	Algebra 1, Geometry and Algebra 2
Calculus AB Advanced Placement	2099	11-12	1.0	Year	Precalculus
Statistics Advanced Placement	2098	11-12	1.0	Year	Recommended prerequisite Algebra 2 or equivalent
Computer Science A Advanced Placement	2122	11-12	1.0	Year	Algebra 2 or co-enrollment in Algebra 2
Indep. Studies in Math 1 (YR) Dual Credit: College Algebra	2068	11-12	1.0	Year	Algebra 2, TSI requirements
Indep. Studies in Math 1 or 2 (YR) Dual Credit: Precalculus	2070/ 2071	11-12	1.0	Year	Algebra 2, TSI requirements
Math College Prep	2090	12	1.0	Year	TSI requirements
Statistics	2009	10-12	1.0	Year	Algebra 1
Algebraic Reasoning	2007	9-12	1.0	Year	Algebra 1

## **SCIENCE**

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
Integrated Physics and Chemistry (IPC)	3022	9-10	1.0	Year	
Biology	3002	9-12	1.0	Year	
Biology Advanced	3009	9-12	1.0	Year	
Biology	3002A	9-12	1.0	Year	Committee approval
Chemistry	3042	10-12	1.0	Year	Biology, Algebra 1
Chemistry Advanced	3049	10-12	1.0	Year	Biology, Algebra 1, Geometry or co-enrollment in Geometry or Algebra 2
Physics	3072	11-12	1.0	Year	Algebra 1
Physics Advanced	3079	11-12	1.0	Year	Algebra 2 or co-enrollment in Algebra 2
Chemistry Advanced Placement	3069	11-12	1.0	Year	Chemistry, Algebra 2
Biology Advanced Placement	3001	11-12	1.0	Year	Biology, Chemistry
Earth Space Science	3004	11-12	1.0	Year	Three units of science and three units of math
Environmental Systems	3023	11-12	1.0	Year	Biology, Chemistry/Physics or IPC
Environmental Science Advanced Placement	3025	11-12	1.0	Year	Algebra 1, one year life science and one year physical science
Anatomy & Physiology	80831	11-12	1.0	Year	Biology, Chemistry
Medical Microbiology	3024	11-12	1.0	Year	Biology, Chemistry
Pathophysiology	3026	11-12	1.0	Year	Biology, Chemistry
Forensic Science	81223	11-12	1.0	Year	Biology, Chemistry
Scientific Research & Design Biology for Science Majors Dual Credit	3144	11-12	1.0	Year	One year of high school science, TSI requirements
Anatomy & Physiology (YR) Dual Credit	3031	12	1.0	Year	TSI requirements
Astronomy	3003	11-12	1.0	Year	Two units of science

## **SOCIAL STUDIES**

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
World Geography	4022	9	1.0	Year	
World Geography Advanced	4029	9	1.0	Year	
Human Geography Advanced Placement	4023	9	1.0	Year	
World History	4032	10	1.0	Year	
World History Advanced Placement	4039	10	1.0	Year	
US History	4002	11	1.0	Year	
US History	4002A	11	1.0	Year	Committee approval
US History Dual Credit	4190	11	1.0	Year	TSI requirements
US History Advanced Placement	4019	11	1.0	Year	
US Government	4052	12	0.5	Semester	
US Government Dual Credit	4198	12	0.5	Semester	TSI requirements
US Government Advanced Placement	4069	12	0.5	Semester	
Economics	4072	12	0.5	Semester	
Economics Dual Credit	4199	12	0.5	Semester	TSI requirements
Macroeconomics Advanced Placement	4092	12	0.5	Semester	
Psychology	4125	11-12	0.5	Semester	
Psychology Advanced Placement	4126	11-12	1.0	Year	
Psychology Dual Credit	4128	11-12	0.5	Semester	TSI requirements
Sociology	4124	11-12	0.5	Semester	
Ethnic Studies: Mexican American Studies	1300	10-12	1.0	Year	
Ethnic Studies: African American Studies	1301	10-12	1.0	Year	
Personal Financial Literacy	4123	10-12	0.5	Semester	
Special Topics in Social Studies 1 Dual Credit: Social Psychology	4086	11-12	0.5	Semester	TSI requirements & Psychology DC
Social Studies Research Methods 1 Dual Credit: TX Government	4081	12	0.5	Semester	TSI requirements
Special Topics in Social Studies 1 and 2 Dual Credit: World Civilization I /II	4087DC, 4088 DC	12	1.0	Year	TSI requirements

## PHYSICAL EDUCATION, ATHLETICS, AND SPORTS MEDICINE

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
Lifetime Fitness and Wellness Pursuits	5003	9-12	1.0	Semester	\]=[
PARTNERS IN PE: Lifetime Fitness and Wellness Pursuits	5003P	9-12	1.0	Semester	Peer mentoring; coach approval required
Skill-Based Lifetime Activities	5006	9-12	1.0	Semester	
PARTNERS IN PE: Skill-Based Lifetime Activities	5006P	9-12	1.0	Semester	Peer mentoring; coach approval required
Lifetime Recreation and Outdoor Pursuits	5115	10-12	1.0	Year	Parent permission
Tennis I-IV	5226, 5236, 5286, 5296	9-12	1.0	Year	Head coach approval
Cross Country I-IV	5213, 5253, 5263, 5273	9-12	1.0	Year	Head coach approval
Golf I-IV	5214, 5254, 5264, 5274	9-12	1.0	Year	Head coach approval
Boys Soccer I-IV	5215, 5255, 5265, 5275	9-12	1.0	Year	Head coach approval
Girls Soccer I-IV	5216, 5256, 5266, 5276	9-12	1.0	Year	Head coach approval
Baseball I-IV	5212, 5252, 5262, 5272	9-12	1.0	Year	Head coach approval
Softball I-IV	5210, 5220, 5230, 5250	9-12	1.0	Year	Head coach approval
Football I-IV	5222, 5227, 5242, 5292	9-12	1.0	Year	Head coach approval
Volleyball I-IV	5223, 5233, 5243, 5293	9-12	1.0	Year	Head coach approval
Boys Basketball I-IV	5224, 5234, 5244, 5294	9-12	1.0	Year	Head coach approval
Girls Basketball I-IV	5225, 5235, 5245, 5295	9-12	1.0	Year	Head coach approval
Cheerleading I-IV	5306, 5305, 5304, 5310	9-12	1.0	Year	Selected by panel of judges
Sports Medicine I	5246	10-12	1.0	Year	Athletic Trainer approval
Sports Medicine II-III	5247, 5248	10-12	1.0	Year	Sports Medicine I, II



**NAVAL JUNIOR ROTC (NJROTC)**

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
Naval Science I	5401	9	1.0	Year	
Naval Science II	5402	10	1.0	Year	Two years in JROTC or Naval Science I
Naval Science III	5403	11	1.0	Year	Two years in JROTC or Naval Science II
Naval Science IV	5404	12	1.0	Year	Two years in JROTC or Naval Science III, or permission from Instructor

**LANGUAGES OTHER THAN ENGLISH (LOTE)**

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
French I	1502	9-12	1.0	Year	
French II	1512	9-12	1.0	Year	French I
French III	1519	9-12	1.0	Year	French II
French IV	1520	9-12	1.0	Year	French III
Spanish I	1562	9-12	1.0	Year	
Spanish II	1573	9-12	1.0	Year	Spanish I
Spanish II Advanced	1574	9-12	1.0	Year	Spanish II
Spanish III	1579	9-12	1.0	Year	Spanish II
Spanish III Dual Credit	1577	10-12	1.0	Year	Spanish II, TSI requirements
Spanish IV	1599	9-12	1.0	Year	Spanish III
Spanish IV Dual Credit	1591	10-12	1.0	Year	DC Spanish III & TSI requirements
Spanish Language & Culture AP	1598	9-12	1.0	Year	Three credits in Spanish
Computer Science A AP	2122	10-12	2.0	Year	Computer Science Principles

## **FINE ARTS**

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
<b>Visual Arts</b>					
Art I	7102	9-12	1.0	Year	
Art Appreciation I Dual Credit	0513	9-12	1.0	Semester	TSI requirements
Art II Drawing	7122	9-12	1.0	Year	Art I
Art II Sculpture	7124	9-12	1.0	Year	Art I
Art II Ceramics	7125	9-12	1.0	Year	Art I
Art III Drawing	7152	10-12	1.0	Year	Art II Drawing
Art III Sculpture	7154	10-12	1.0	Year	Art II Sculpture
Art IV Drawing	7182	11-12	1.0	Year	Art III Drawing
Art IV Sculpture	7184	11-12	1.0	Year	Art III Drawing
Art History AP	7199	10-12	1.0	Year	
AP Studio Art: Drawing	7189	10-12	1.0	Year	Art II
Studio Art: 2-D Design AP	7186	10-12	1.0	Year	Art II
Studio Art: 3-D Design AP	7187	10-12	1.0	Year	Art II
<b>Theatre Arts</b>					
Theatre Art I	7203	9-12	1.0	Year	
Advanced Theatre Arts II	7204	10-12	1.0	Year	Theatre Arts I
Advanced Theatre Arts III	7205	10-12	1.0	Year	Audition, Theatre Arts II
Advanced Theatre Arts IV	7206	10-12	1.0	Year	Audition, Theatre Arts II
Musical Theatre I-III	7212, 7213, 7214	10-12	1.0	Year	Audition, Theatre Arts I
Technical Theatre I	7207	10-12	1.0	Year	Audition, Theatre Arts I
Advanced Technical Theatre II-IV	7208, 7209, 7210	10-12	1.0	Year	Audition, Technical Theatre I
Theatre Production I-IV	7215, 7216, 7217, 7218	9-12	1.0	Year	Audition
<b>Dance</b>					
Dance I-II	7007, 5301	9-12	1.0	Year	
Ballet Folklorico I	5110	9-12	1.0	Year	
Dance Team Training	7009	9-12	1.0	Year	
Dance Team I-IV	5112, 5307, 5308, 5309	9-12	1.0	Year	Audition

<b>Choral Music</b>					
Matador Choir I-IV	7303, 7304, 7305, 7306	9-12	1.0	Year	Audition, interview
Non Varsity Choir I-IV	7381, 7382, 7384, 7385	9-12	1.0	Year	Audition, interview
Treble Choir I-IV	7307, 7308, 7309, 7335	9-12	1.0	Year	Audition, interview
Tenor/Bass Choir I-IV	??	9 - 12	1.0	Year	Audition, interview
Music Theory Advanced Placement	7301	10-12	1.0	Year	Prior music experience and interview
Music Appreciation Dual Credit	7317	9-12	1.0	Semester	TSI requirements
Music Composition I	7224	9-12	1.0	Year	Prior music experience
Music Composition II	7225	10-12	1.0	Year	Music Composition 1 Credit
<b>Instrumental Music</b>					
Wind Ensemble I-IV	7341, 7342, 7343, 7344	9-12	1.0	Year	Audition
Wind Symphony I-IV	7331, 7332, 7333, 7334	9-12	1.0	Year	Audition
Symphonic Band I-IV	7312, 7322, 7323, 7324	9-12	1.0	Year	Audition
Concert Band I-IV	7390, 7391, 7392, 7393	9-12	1.0	Year	Audition
Instrumental Ensemble I-IV	7311, 7325, 7313, 7326	9-12	1.0	Year	Audition; Concurrent enrollment in performance band class
Percussion I-IV	7351, 7352, 7353, 7354	9-12	1.0	Year	Audition
Jazz Ensemble I	7314	9-12	1.0	Year	Audition; Concurrent enrollment in performance band class
Beginner Guitar I	7321	9-12	1.0	Year	
Piano I	7430	9 - 12	1.0	Year	
Color Guard I-IV	7405, 7406, 7407, 7408	9-12	1.0	Year	Audition
Mariachi Band I-IV	7420, 7421, 7422, 7423	9-12	1.0	Year	Audition

## CAREER AND TECHNICAL EDUCATION (CTE) COURSES

Course Title	SISD Course Code	Grade	Credit	Duration	Prerequisite
<b>Introductory Level Courses</b>					
Principles of Applied Engineering	81568	9-12	1	Year	
Computer Science Principles AP	2123	9-12	1	Year	
Principles of Agriculture, Food and Natural Resources	80101	9-12	1	Year	
Business Information Management I	80424	9-12	1	Year	
Computer Science 1	7603	9-12	1	Year	
Principles of Arts, A/V Technology, and Communications	81180	9-12	1	Year	
Principles of Law, Public Safety, Corrections and Security	81201	9-12	1	Year	
Principles of Health Science	80801	9-12	1	Year	
Principles Of Cosmetology Design and Color Theory	81020	9	1	Year	
Principles of Construction	80200	9-12	1	Year	Cannot be taken with Ag Mech & Metal Tech
Ag Mech & Metal Tech	80116	9-12	1	Year	Cannot be taken with Principles of Construction
Principles of Education and Training	80501	9-12	1	Year	
<b>Science, Technology, Engineering, and Math (STEM) Program</b>					
Engineering Design and Presentation 1	81333	10-11	1	Year	Principles of Applied Engineering
Engineering Design and Problem Solving	81534	11-12	1	Year	Engineering Design and Presentation 1; Algebra I and Geometry
Practicum in STEM	81536	12	2	Year	Engineering Design & Problem Solving
<b>Agriculture Program</b>					
Livestock Production	80111	10-12	1	Year	Prin of Ag, Food & Natural Resources

Wildlife, Fisheries & Ecology Management	80115	10-12	1	Year	Prin of Ag, Food & Natural Resources
Floral Design	80119	10-12	1	Year	Prin of Ag, Food & Natural Resources
Range Ecology and Management	80109	11-12	1	Year	Wildlife, Fisheries & Ecology Management
Advanced Floral Design	80120	11-12	1	Year	Floral Design
Advanced Animal Science	80132	11-12	1	Year	Prin of Ag, Food & Natural Resources; Equine Science/Small Animal Management; 90% Attendance; Biology and Chemistry
Veterinary Medical Applications	80122	11-12	1	Year	Prin of Ag, Food & Natural Resources; Equine Science/Small Animal Management; Livestock Production
Practicum In Agriculture, Food & Natural	80141	12	2	Year	A minimum of one credit from the courses in the Ag., Food, and Natural Resources Program of Study
Ag Structures and Fabrication	80127	10-12	2	Year	Ag Mech and Metal Tech
Ag Equip Design & Fabrication	TBD	11-12	2	Year	Ag Structures and Fabrication
<b>Arts, Audio Video Technology, and Communications Program</b>					
Audio/Video Production I	81194	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Graphic Design and Illustration I	81193	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Animation 1	80324	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Digital Media	81113	9-11	1	Year	Principles of Arts, A/V Technology, and Communications
Audio/Video Production II	81196	11-12	1	Year	Audio/Video Production I
Graphic Design and Illustration II	81195	11-12	1	Year	Graphic Design and Illustration I

Animation 2	80325	11-12	1	Year	Animation 1
Game Programming and Design	81572	11-12	1	Year	Digital Media
Practicum in Audio/Video Production	81189	12	2	Year	Audio/Video Production II
Practicum in Graphic Design and Illustration	81186	12	2	Year	A minimum of one credit from the courses in the Arts, Audio Video Technology, and Communications Program of Study
Practicum in Animation	80325	12	2	Year	A minimum of one credit from the courses in the Arts, Audio Video Technology, and Communications Program of Study
<b>Business, Marketing, and Finance Program</b>					
Human Resource Management	80403	10-11	0.5	Semester	
Virtual Business	80427	10-11	0.5	Semester	
Business Management	80428	10-11	1	Year	Human Resource Management/Virtual Business
General Employability Skills	9400	9-12	1	Year	Requires prior approval
Career Prep (requires prior approval)	81302	11-12	2	Year	Secure employment by 15 <sup>th</sup> day of school
Practicum In Business Management	80443	12	2	Year	A minimum of one credit from the courses in the Business, Marketing, and Finance Program of Study
Practicum in Marketing	81441	12	2	Year	A minimum of one credit from the courses in the Business, Marketing, and Finance Program of Study
<b>Construction Trades Program</b>					
Construction Management I	80213	10	2	Year	Principles of Construction
Construction Management II	80216	11	2	Year	Construction Management I

Practicum in Construction Management	80243	12	2	Year	A minimum of one credit from the courses in the Construction Trades Program of Study
<b>Information Technology Program</b>					
Networking	81121	11-12	1	Year	
Practicum in Information Technology	81101	12	2	Year	A minimum of two credits from the courses in the Information Technology Program of Study
Computer Science 3	2153	11-12	1	Year	Computer Science 2
<b>Cosmetology Program</b>					
Introduction to Cosmetology	81016	10	1	Year	Principles Of Cosmetology Design And Color Theory
Cosmetology I	81023	11	2	Year	Introduction to Cosmetology Parent permission Attend Informational Meeting
Cosmetology II with Lab	81032	12	2	Year	Cosmetology I Parent permission Attend Informational Meeting

<b>Education and Training Program</b>					
Communication and Technology in Education	81130	10-12	1	Year	Principles of Education and Training
Instructional Practices	80521	11-12	2	Year	Human Growth & Development or Communication and Technology in Education
Practicum In Education & Training	80562	12	2	Year	Instructional Practices
<b>Law Enforcement Program</b>					
Law Enforcement I	81211	10-12	1	Year	Prin. of Law, Public Safety, Corrections and Security
Law Enforcement II	81221	11-12	1	Year	Law Enforcement I
Forensic Science	81223	10-12	1	Year	Biology, Chemistry
Criminal Investigation	81222	9-10	1	Year	Prin. of Law, Public Safety, Corrections and Security

<b>Health Science Program</b>					
Medical Terminology	80812	9-10	1	Year	Principles of Health Science
Medical Terminology Dual Credit	8081DC	9-12	2	Semester	TSIA requirements; P-TECH Academy participants only
Health Science Theory	80811	10-11	1	Year	Medical Terminology
Pharmacology	80813	10-11	1	Year	Medical Terminology
Practicum In Health Science: CNA	80842	12	2	Year	Principles of Health Science, Medical Terminology, Health Science Theory; Pass criminal background check; Complete application for CNA; 90% attendance previous year; Current influenza vaccine and all other immunizations; Negative Tuberculin skin test
Practicum In Health Science: Pharm Tech	80843	12	2	Year	Principles of Health Science, Medical Terminology, Pharmacology; Pass criminal background check; Complete application for CNA; 90% attendance previous year; Current influenza vaccine and all other immunizations; Negative Tuberculin skin test



## ADDITIONAL COURSES

<b>Course Title</b>	<b>SISD Course Code</b>	<b>Grade</b>	<b>Credit</b>	<b>Duration</b>	<b>Prerequisite</b>
Student Aide - 1st Semester	0652	12	0.5	Semester	Counselor and/or administrator approval*
Student Aide - 2nd Semester	0654	12	0.5	Semester	Counselor and/or administrator approval*
Senior Release	0660	12	N/A	Year	Campus administrator approval and parent permission*
College Transition	0771	11-12	1.0	Year	Students preparing to take SAT and ACT
AVID I	81751	9	1.0	Year	
AVID II	81752	10	1.0	Year	AVID I
AVID III	81753	11	1.0	Year	AVID II
AVID IV	81754	12	1.0	Year	AVID III
MAPS 1 Dual Credit	4121DC	10-12	0.5	Semester	TSI requirements/Only for ECHS students.
Academic Skills I-IV	9990, 9991, 9992, 9993	9-12	1.0	Year	Committee approval
Activities of Daily Living I-IV	9388, 9389, 9390, 9391	9-12	1.0	Year	Committee approval
Occupational Preparation I-IV	9387, 9392, 9393, 9394	9-12	1.0	Year	Committee approval
Recreation and Leisure I-IV	9994, 9995, 9996, 9997	9-12	1.0	Year	Committee approval
Vocational Experience I-IV	9340, 9341, 9342, 9343	9-12	1.0	Year	Committee approval
18+ Transition I-IV	9344, 9345, 9346, 9347	9-12	1.0	Year	Committee approval

\*Any student who has not earned College, Career, or Military Readiness indicator will not receive approval for this course.



**English as a Second Language (ESL)****Grades 6, 7, 8****SISD Course Numbers: 1660, 1197, 1198**

ELL students are at different stages of language acquisition. Language proficiency levels are not grade specific. This course develops an understanding of English. Students engage in numerous language and cultural activities that build on their prior knowledge and skills to develop and strengthen their listening, speaking, reading, and writing skills.

**Note:** *Students are placed in the appropriate ESL course based on the student's level of English proficiency.*

**Accelerated Language Support****Grades 6, 7****SISD Course Numbers: 1555, 1192**

This course is designed to help English Learners follow the natural progression of language acquisition and development in listening, speaking, reading, and writing. Major emphasis is on listening, oral language development and English language literacy.

**Note:** *This course is recommended for students who did not meet passing standards on the STAAR Writing and/or Reading State Assessment and who scored on a beginner or intermediate level on TELPAS.*

## **MATHEMATICS**

### **Mathematics**

**Grade 6      SISD Course Numbers: 2162, 2162R, 2162A**

The primary focal points at 6th grade are using all operations with integers, fractions and decimals to solve problems and understanding and applying ratios and rates to represent proportional relationships.

**Note:** Sections R and A require committee approval through an ARD.

### **Mathematics Advanced**

**Grade 6**

**SISD Course Number: 2163**

All 6th grade TEKS are taught in addition to selected 7th grade TEKS as appropriate for extensions and identified in the Year-at-a-Glance (YAG). Students enrolled in this course will take the 6th grade Math STAAR. Advanced level students receive accelerated instruction to include 50% of the Grade 7 TEKS.

### **Mathematics**

**Grade 7**

**SISD Course Number: 3172, 3172R, 3172A**

The primary focal points at 7th grade are number and operations; proportionality; expressions, equations, and relationships; and measurement and data. Students use concepts, algorithms, and properties of rational numbers to explore mathematical relationships and to describe increasingly complex situations.

**Note:** Sections R and A require committee approval through an ARD.

### **Mathematics Advanced**

**Grade 7**

**SISD Course Number: 2170**

Advanced level students receive accelerated instruction to include 100% of the Grade 8 TEKS and students enrolled in the advanced course take the Grade 8 STAAR.

### **Mathematics**

**Grade 8**

**SISD Course Number: 3182, 3182R, 8182A**

The primary focal points at 8th grade are proportionality; expressions, equations, relationships, and foundations of functions; and measurement and data.

**Note:** Sections R and A require committee approval through an ARD.

### **Algebra I Advanced**

**Grades 7, 8**

**SISD Course Number: 3184**

#### **High School Credit: 1.0**

This course addresses the Algebra I TEKS and prerequisite topics for a high school mathematics course. One high school credit is earned upon successful completion of this course. Students are required to take the End-of-Course (EOC) assessment for Algebra 1.

**Note:** The grade for this course will not be averaged in the student's high school grade point average (GPA) or class rank. Algebra I Advanced in 7th grade requires district approval.

### **Geometry Advanced**

**Grade 8**

**SISD Course Number: 3188JH**

#### **High School Credit: 1.0**

This course addresses the Geometry TEKS and prerequisite topics for a high school mathematics course. One high school credit is earned upon successful completion of this course.

**Note:** The grade for this course will not be averaged in the student's high school grade point average (GPA) or class rank. Geometry Advanced in 8th grade requires district approval.

## **SCIENCE**

**Science** **Grade 6** **SISD Course Numbers: 3166, 3166R, 3166A**  
**Science Advanced** **SISD Course Number: 3167**  
**Science G/T** **SISD Course Number: 3162**

The primary focus is on physical science through the use of exploratory and hands-on activities that follow the 5E Model of instruction. The strands include Scientific Investigation and Reasoning, Matter and Energy, Force, Motion, and Energy, Earth and Space, and Organisms and Environments. Students conduct laboratory and field investigations at least 40 percent of the time. Advanced level integrates extensive project-based learning and requires the completion of a student project. The G/T Section serves students in the district's Gifted and Talented Program and includes a project requirement.

**Note:** *Sections R and A require committee approval through an ARD.*

**Science** **Grade 7** **SISD Course Number: 4172, 4172R, 4172A**  
**Science Advanced** **SISD Course Number: 4173**  
**Science G/T** **SISD Course Number: 4174**

The primary focus is on organisms and the environment through the use of exploratory and hands-on activities that follow the 5E Model of instruction. The strands include Scientific Investigation and Reasoning, Matter and Energy, Force, Motion, and Energy, Earth and Space, and Organisms and Environments. Students conduct laboratory and field investigations at least 40 percent of the time. Advanced level integrates extensive project-based learning and requires the completion of a student project. The G/T Section serves students in the district's Gifted and Talented Program and includes a project requirement.

**Note:** *Sections R and A require committee approval through an ARD.*

**Science** **Grade 8** **SISD Course Number: 4182, 4182R, 4182A**  
**Science Advanced** **SISD Course Number: 4183**  
**Science G/T** **SISD Course Number: 4184**

The primary focus is on earth and space science through the use of exploratory and hands-on activities that follow the 5E Model of instruction. The strands include Scientific Investigation and Reasoning, Matter and Energy, Force, Motion, and Energy, Earth and Space, and Organisms and Environments. Students conduct laboratory and field investigations at least 40 percent of the time. Advanced level integrates extensive project-based learning and requires the completion of a student project. The G/T Section serves students in the district's Gifted and Talented Program and includes a project requirement.

**Note:** *Sections R and A require committee approval through an ARD.*

## **SOCIAL STUDIES**

### **Social Studies**

**Grade 6**

**SISD Course Number: 4160, 4160R, 4160A**

### **Social Studies Advanced**

**SISD Course Number: 4163**

This course includes the study of people and places of the contemporary world using a regional thematic approach. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information. Advanced level integrates extensive project-based learning and requires the completion of a student project.

**Note:** *Sections R and A require committee approval through an ARD.*

### **Social Studies**

**Grade 7**

**SISD Course Number: 5172, 5172R, 5172A**

### **Social Studies Advanced**

**SISD Course Number: 5173**

This course includes the study of Texas history from Native Americans to the present. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information. Advanced level integrates extensive project-based learning and requires the completion of a student project.

**Note:** *Sections R and A require committee approval through an ARD.*

### **Social Studies**

**Grade 8**

**SISD Course Number: 5182, 5182R, 5182A**

### **Social Studies Advanced**

**SISD Course Number: 5183**

This course includes the study of the history of the United States from the early colonial period through Reconstruction. Students will gain a deep conceptual understanding of how our nation was founded, the influence of our founding fathers and the founding documents. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

Advanced level integrates extensive project-based learning and requires the completion of a student project.

**Note:** *Sections R and A require committee approval through an ARD.*

## **ELECTIVES**

### **PHYSICAL EDUCATION (PE) AND ATHLETICS**

#### **Physical Education (PE)**

**Grades 6, 7, 8    SISD Course Numbers: 7006, 6171, 6181**

Students will develop fitness knowledge and motor skills basic to efficient movement that promote healthy lifestyle choices and improve the quality of students' lives.

Each student must complete a yearly fitness assessment identified as FITNESSGRAM®. All information regarding this assessment is available at: [www.fitnessgram.net](http://www.fitnessgram.net).

#### **Boys Pre-Athletics**

**Grade 6**

**SISD Course Numbers: 6160**

#### **Girls Pre-Athletics**

**Grade 6**

**SISD Course Numbers: 6161**

The Seguin ISD Middle Schools Pre-Athletics class is a Physical Education class designed to prepare 6<sup>th</sup> grade students for Seguin ISD Athletics programs while still implementing the required 6<sup>th</sup> grade PE TEKS. The purpose of the Pre-Athletics program is to provide students with an advanced curriculum directly linked to upcoming UIL sports (e.g. football, volleyball, basketball, soccer, track & field) in which they will be eligible to participate as 7<sup>th</sup> graders. The Pre-Athletics course will prepare students for the expectations associated with all aspects of SISD Athletics including UIL academic requirements, sportsmanship, leadership, teamwork, accountability, and character development.

#### **Boys Athletics**

**Grades 7, 8**

**SISD Course Numbers: 6571, 6581**

#### **Girls Athletics**

**Grades 7, 8**

**SISD Course Numbers: 6572, 6582**

These Athletic UIL approved courses are for the serious student wishing to participate in a competitive environment. Technical aspects of the team sport will be taught along with philosophy, strategy, and sportsmanship. Physicals will be required to participate in Athletics, along with necessary UIL forms.

Students enrolled will be held to a high standard of academic performance as well as behavioral expectations.

***Recommended Prerequisite:*** Approval by the Middle School Coordinator or respective Head Coach.

## **FINE ARTS**

Fine Arts courses in the middle school are sequenced by level and students may enroll in Level 1 at any time in their middle school course of study. Students must progress through each level in progression unless the campus provides an audition or means for meeting the requirements of the course.

#### **Art Middle School 1**

**Grades 6, 7, 8**

**SISD Course Number: 7105**

This course is an introduction to basic art vocabulary essential for the well-rounded child. Students will explore various styles of drawing, sculpture and digital media. Students are exposed to art history and cross-curricular links to core disciplines. This course teaches how to draw and how to render spatial relationships, light, texture and forms. Topics covered in class include rendering objects, light sources, drawing media, illusion of space, introduction to figure drawing, expressive qualities, painting techniques, and more. Subject matter may vary from still life, landscape, human figure drawing, and fantasy to abstract. A wide variety of drawing and painting media will be practiced.

**Art Middle School 2****Grades 7, 8****SISD Course Numbers: 7174**

This course is a continued directed examination of personal approaches to art-making with an emphasis on making visual and artistic decisions and developing an appropriate attitude toward visual expression. Art II & III may participate in a variety of school projects such as SISD Technology Fair, Guadalupe County Annual Student Show, and district-sponsored contests.

**HS Art I****Grade 8****SISD Course Number: 7102MS****High School Credit: 1.0**

Art I is a high school level course that provides the foundation for art study. The course emphasizes the elements of art and principles of design, color theory, vocabulary, art criticism, art history, and safety in the art room with a strong foundation in design, drawing and vocabulary.

**Recommended Prerequisite:** *Art Middle School 1*

**Note:** High school courses completed in middle school are included on a student's official high school transcript, but are not averaged into their GPA or used to calculate class rank.

**Band Middle School 1****Grades 6, 7, 8****SISD Course Number: 8105**

Beginning band focuses on developing instrument performance fundamentals and music literacy to prepare students for entrance into a Symphonic Band in 7th grade. Students make an instrument selection based on an interview/placement process conducted by a band director, which happens in the spring semester of the student's 5th grade school year. The class concentrates on the development of note-reading skills, aural skills, rhythmic patterns, intonation, and tone production. Depending on the instrument selected, students may be required to rent or purchase their own instrument for use in class and at home. Students are also responsible for specific supplies throughout the year as outlined for each instrument.

**Band Middle School 2-3****Grades 7, 8****SISD Course Numbers: 8286, 8287**

Symphonic Bands are performing bands at middle school. The classes consist of 7th and 8th graders. Students are placed in one of the Symphonic Bands through audition and director recommendation.

Activities include concerts, solos and ensembles, and some contests. Sectionals outside the school day are required but are limited to once a week. There is a band fee of \$30.00 for all students, and students using school instruments have an additional \$30.00 instrument rental fee per semester.

**Instrumental Ensemble Middle School 1****Grades 6, 7, 8****SISD Course Number: 7365****Mariachi Beginner Guitar**

This course is designed for those interested in learning to play the guitar, utilizing the folk music of Mexico. Students will study mariachi guitar performance technique through both instrumental and vocal performance. The class concentrates on the development of note-reading skills, aural skills, rhythmic patterns, intonation, and tone production. NOTE: Students are expected to provide their own instrument for use in class and practice at home. Student Instrument rental or instrument purchase is therefore required. This group will be required to participate in concerts and other activities.

**Instrumental Ensemble Middle School 1****Grades 6, 7, 8****SISD Course Number: 7366****Mariachi Beginner Violin**

This course is designed for those interested in learning to play the violin, utilizing the folk music of Mexico. Students will study mariachi violin performance technique through both instrumental and vocal performance. The class concentrates on the development of note-reading skills, aural skills, rhythmic patterns, intonation, and tone production. NOTE: Students are expected to provide their own instrument for practice at home. Student



Instrument rental or instrument purchase is therefore required. This group will be required to participate in concerts and other activities.

**Instrumental Ensemble Middle School 2-3**      **Grades 7, 8**      **SISD Course Numbers: 7367, 7368**  
**Mariachi Ensemble**

This course is designed for those interested in learning and playing the folk music of Mexico. Students will study mariachi music through instrumental and vocal performance in an ensemble setting. Student instrumentalists must provide their own instrument (guitar or violin) for developing instrumental performance skills. Students who have previous mariachi experience are encouraged to enroll in this class. This group will be required to participate in concerts and other activities.

**Choir MS 1**      **Grades 6, 7, 8**      **SISD Course Number: 8008**

This ensemble is for beginning students who would like to sing in a choir. This class concentrates on the development of note-reading skills, aural skills, rhythmic independence, intonation, and vocal tone production. This ensemble is required to participate in concerts for the school and community throughout the year. Performances include fall, winter, and mock-competition concerts, as well as annual musical productions and a spring pop show. Musical selections range from all musical time periods including Classical, Modern, and Pop.

**Choir MS 2-3**      **Grades 7, 8**      **SISD Course Numbers: 7370, 7380**

These auditioned ensembles are for 7<sup>th</sup> and 8<sup>th</sup> grade students. These classes concentrate on the continued development of note-reading skills, aural skills, rhythmic independence, intonation, and vocal tone production. These ensembles are required to participate in concerts for the school and community throughout the year. Performances include fall, winter, and UIL concert and Sight-Reading Competition, as well as annual musical productions and spring pop show. Musical selections range from all musical time periods including Classical, Modern, and Pop.

**Theatre Arts MS 1**      **Grade 6, 7, 8**      **SISD Course Number: 6003**

This elective course is an introduction to theatre concepts that will focus on understanding of theatre fundamentals, using creative expression in performances, relating to theatre history, and evaluating performances. Specific topics include characterization, pantomime, reader's theatre, theatre vocabulary and parts of the stage, and creating characters for dramatizations. The main focus of this course will be group performances including writing, memorizing, and performing a group scene using visual elements.

**Theatre Arts MS 2-3**      **Grades 7, 8**      **SISD Course Numbers: 7473, 7480**

This elective course will refine theatre concepts, such as, using creative expression in performances, and evaluating performances. Specific topics include theatre history, careers in theatre, characterization, poetry reading, defining characters and portraying them in scenes, and improvisation. Many of the performances will be duets. The main focuses of this course will be a scripted group scene and a scripted duet scene. Both will be memorized and performed using visual elements.

## **LANGUAGES OTHER THAN ENGLISH (LOTE)**

### **Spanish 1**

**Grades 7, 8**

**SISD Course Number: 2182 High**

#### **School Credit: 1.0**

This course introduces the basic Spanish language skills of listening, speaking, reading, and writing. Students develop these communication skills by using knowledge of the language, including grammar, and culture, communication and learning strategies, technology, and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action.

**Note:** High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

### **Spanish 1 for Native Speakers**

**Grades 7, 8**

**SISD Course Number: 2183 High**

#### **School Credit: 1.0**

This course covers the same Spanish language skills listed in the Spanish 1 course description above. Additionally, this course will prepare students to take the Spanish 2 credit by examination in the spring semester. Students may earn high school Spanish 2 credit with a score of 80 or above on the credit by examination.

**Note:** High school courses completed in middle school are included on a students official high school transcript, but are not averaged into their GPA or used to calculate class rank.

### **Spanish II**

**SISD Course Number: TBD**

#### **Credit: 1.0**

**Grade: 8**

#### **Prerequisite: Spanish I or passing score on district administered Credit-by-Exam**

A study of the grammatical construction of the language is continued by an extensive review of concepts learned in Spanish I. The focus is on oral reading, reading comprehension, expanding vocabulary and writing brief compositions. The ability to give an appropriate oral response and participate in simple conversation is stressed. Culture and language learning techniques are also an integral part of the course.

## **OTHER ELECTIVES**

### **Advancement Via Individual Determination**

**Grades 6-8 SISD**

**Course Numbers: 6000,7000,8000**

AVID is a series of academic, regularly scheduled elective classes that uses writing as a tool for learning, inquiry, and collaboration. The three main components of the AVID program are academic instruction (AVID curriculum), tutorial support, college and career exploration, time management, organization, and motivational activities. For more information about AVID, see page 21.

### **Intro to Computer Science**

**Grade 6**

**SISD Course Number: 5162**

SISD Course Numbers: 5162, 8174, 8180

Students in this course will be introduced to a wide range of digital media processes and applications. They work on a variety of software, basic coding, and are challenged to advance their skills and produce high quality products for school projects.

### **Multimedia Design**

**Grades 7, 8**

**SISD Course Number: 7071**

Students develop advanced communication skills in speaking, listening, reading, and writing through the use of multimedia design, web design, blogging, developing podcasts, digital storytelling, and other means of desktop publishing. Students will create and electronically publish original works or designs.

**Technology Applications: Robotics****Grades 7****SISD Course Numbers: 7010**

Students in this course will be introduced to robotics through the study of technology applications. Students make informed decisions by understanding current and emerging technologies, including technology systems, appropriate digital tools, and personal learning networks. They will work on building solutions to challenge-based problems for robotics competitions.

**Robotics 1****Grade 8****SISD Course Number: TBD****High School Credit: 1.0**

In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

**Note:** High school courses completed in middle school are included on a student's official high school transcript, but are not averaged into their GPA or used to calculate class rank.

**Yearbook****Grade 8****SISD Course Number: 1485**

This course teaches students yearbook design and composition in order to compose the school yearbook. Students are instructed in digital photography skills, interviewing, and writing skills.

**Student Aide****Grade 8****SISD Course Number: 1001**

Students have the opportunity to assist a member of the staff in one of the following capacities: office aide, counselor aide, and library aide.

**Note:** *Requires Administrator and/or Counselor approval.*

**Partners in PE (Barnes MS only)****Grade 8****SISD Course Number: TBD**

As a Partners in PE Program, students are provided the opportunity to be effective mentors, peer helpers, and role models in a physical education class alongside students with special needs. Students are provided opportunities for hands-on experience in teaching and working with individuals with diverse abilities while developing knowledge and skills about physical activities and lifetime wellness.

**Activities of Daily Living (Barnes only)****Grades 6, 7, 8****SISD Course Numbers: 9604, 9605, 9606**

This course is designed to provide instruction to students in real time as need arises in the areas of basic hygiene, grooming, cooking skills, household living, household cleaning, self-help skills, etc., in the classroom as well as in the community.

**Note:** *Committee approval required for enrollment.*

**Academic Skills (Barnes only)****Grades 6, 7, 8****SISD Course Numbers: 1861, 1862, 1863**

This course is designed to provide direct instruction to students daily in the areas of academic preparation, organization, note taking, and test taking as well as have time to complete academic assignments and work on individualized goals and objectives.

**Note:** *Committee approval required for enrollment.*

## **FRIDAY “B DAY” COURSES**

During the 2023-2024 school year, Jim Barnes Middle School and A.J. Briesemeister Middle School introduced new student courses during the Friday “B Day” schedule.

Period	B Days: Friday		
1st	Explore Block	8:00 AM	9:30 AM
2nd	Reflect Block	9:33 AM	10:29 AM
3rd	Explore Block	10:32 AM	12:34 PM
	6th Grade Lunch	11:02 AM	11:32 AM
	7th Grade Lunch	11:33 AM	12:03 PM
	8th Grade Lunch	12:04 PM	12:34 PM
4th	Grow Block (A&B)	12:37 PM	2:07 PM
5th	Explore Block	2:10 PM	3:40 PM

\* Subject to change

### **Explore Block: Project-Based Learning**

#### **Athletics PBL**

**Grades 6, 7, 8    SISD Course Numbers: 0621, 0721, 0841**

Students enrolled in 6th grade Pre-Athletics and 7th or 8th grade Athletics on “A Days” will be scheduled into this course for one period in the B-day schedule. Students will continue to work on team sport skills as a continuation of the Monday-Thursday schedule. Additionally, students will learn officiating skills for different team sports.

#### **Fine Arts PBL**

**Grades 6, 7, 8    SISD Course Numbers: 0622, 0722, 0842**

Students enrolled in a Fine Arts course on “A Days” will be scheduled into one of multiple course offerings for one period in the B-day schedule. Students will continue to work on Fine Arts skills as a continuation of the Monday-Thursday schedule. Fine Arts course offerings include: Advanced Art Contest Projects, Advanced Art Community Projects, Photography and Sculpture, Watercolor/Painting, Tech Theatre Design, Speech/Debate, Ballet Folklorico/Cultural Explore, Beginning Guitar Masterclass, Beginner Violin Masterclass, Choir Chamber Music, Musical Theatre Project, Show/Pop Choir, Community Performance Ensemble, Percussion Ensemble, Band Chamber Music, Band Masterclass, Beginning Woodwinds, Beginning Brass.

#### **PBL Elective**

**Grades 6, 7, 8    SISD Course Numbers: 0623, 0723, 0843**

PBL Elective courses are developed from PBL Works curriculum based on student interests. Students will learn by actively engaging in real-world and personally meaningful projects. Below is a list of course offerings and brief descriptions of the projects.

#### **Making Space for Change:**

How do empty or broken places become reborn? What makes people come together? Know an empty space in town? A community space such as a park or square that could use an environmentally sustainable update? Ever thought about what could be there? This project is for you! In this project, students will work together with adult guidance to develop an environmentally sustainable new design for an empty space or a redesign of an existing space. You will investigate local needs, resources, and limitations to create and present an environmentally sound solution to interested community members.

**Face Your Face:** What masks do we wear when we go about our daily lives? Are you more of a Clark Kent or a Superman? Are you more Boar Mask or Inosuke? What's the big deal with Majora's Mask? Why do some musicians like Daft Punk, Marshmello, Slipknot, Sia, or Deadmau5 perform masked? In this project, students explore the use of masks, learning about the origins, purpose, and use of masks across cultures. They will also consider the functions of masks beyond concealing all or some of the face. From this learning, students will reflect on their own "masks" and create a mask that artistically represents one of their faces and present it as part of a collaborative "Face Your Face" exhibition.

**Grow It Green:** Where does our food actually come from? Do plants require soil to grow? Do they grow better without? Actually, what do they require to grow if normal conditions aren't, well, normal? Can plants grow in restricted or alternative conditions and still be nutritious? How can we reduce the impact of our food-growing systems on the environment? Meeting people's nutritional needs in a sustainable way requires innovative thinking. In this project, students design an experiment (grounded in research on sustainable gardening practices) that tests two approaches to growing vegetables (e.g., traditional versus hydroponic). Students communicate their findings in a lab report and then produce a photo essay that can educate local gardening groups, and the local community, about sustainable food production.

**Taking Action Against Cyberbullying:** Until our society recognizes cyber bullying for what it is, the suffering of thousands of silent victims will continue (Anna Marie Chavez, 2020). 95% of teens in the U.S. are online and the vast majority access the internet on their mobile device, making it the most common medium for cyberbullying. About 37% of young people between the ages of 12 and 17 have been bullied online and 30% have had it happen more than once. What can we do about cyberbullying? In this project, students discuss cyberbullying and learn about the issue through a variety of media. Using the Upstander/Bystander framework, the class creates and conducts a survey of their peers to gather information. Then they will make a plan to amend the current cyberbullying policy.

**History In Pictures: (AJB Only)** Was your grandmother a "Flower Power girl"? Did your grandfather "Make Peace, Not War"? If your parents are firm believers in "Si Se Puede" then this is the project for you! In this PBL you will learn how to take your family's treasures and create an interactive digital tool that demonstrates your family's contribution to our local community's influence on a period in history! You will learn how to archive, explore, research, and interpret primary source images and documents from your family in a significant event or period in local history that connects to a larger historical moment or social movement. These findings will be presented in the form of an app that you help design!

**Start A Business:** Be your own boss. This project gives you the freedom to develop, plan, and pitch a business of your own creation. You will discover what it takes to create a business from the ground up by focusing on the product you will create, the people you expect to purchase your product, and organizing the cash flow to make it all happen. You will learn the tips you need to be financially successful from local leaders and business owners. Students "Starting a Business" will pitch their plan to a panel, receive feedback, and adjust their plan to ensure their business is a success. Get your team ready, you will need them to make sure your project gets off the ground.

### **Character Strong: Foundations of Leadership**

Prepare students to manage the challenges of middle school and beyond through experiential learning that focuses on team building, self advocacy, social media, time management, service learning, and more. Regularly exercise mindfulness strategies that help students personalize a proactive approach to their emotions.

**Marking History, Making History:** History is a process of interpretation and perspective-taking. In this project, students research the history of their home community or region and use primary source materials to learn about the experiences and perspectives of multiple community members (e.g., indigenous people, immigrants, colonists, enslaved people, people of different class backgrounds) in relation to particular events. Students use what they learn to document and share the multiple (and sometimes conflicting) histories that coexist in their local community.

**Broken Laws:** History is a process of interpretation and perspective-taking. In this project, students research the history of their home community or region and use primary source materials to learn about the experiences and perspectives of multiple community members (e.g., indigenous people, immigrants, colonists, enslaved people, people of different class backgrounds) in relation to particular events. Students use what they learn to document and share the multiple (and sometimes conflicting) histories that coexist in their local community.

**Community Voices:** In this project, students are invited to present compelling stories about community issues that need attention as part of a local, TED-style Ideas Summit. Students interview community members and gather both quantitative and qualitative data, then present their stories as a means of inspiring others to take action. Students produce and present a TED Talk-style presentation, using a digital presentation tool, that tells a compelling data-based story about a high-needs community issue that needs attention.

**Student Council:** This PBL course will allow students to engage in leadership opportunities on campus that promote citizenship, scholarship, human relations, and cultural values. Students will work together to promote student voice on campus and assist in school affairs such as dances, daily/after school activities, spirit days, community service, student competitions, and fundraising events. Students in this PBL will represent the voice of the student body and work together to promote a positive campus culture at Barnes. (Please note: Any student may select this course, but there will be an application process for students to complete for acceptance.)

**Plastics:** How can we reduce the amount of marine debris entering our oceans? Plastic is everywhere. Yet where does it go when we throw it away or try to recycle it? In this project, you will explore the most frequently used types of plastic, study how recyclable it is, and identify what happens to mismanaged plastic. They engage in lessons, labs, and text-based discussions about plastics, interview local recycling and waste management experts and develop social media campaigns or public service announcements (PSAs) to educate their community on properly recycling plastic.

**Welcome to Our School:** How can we use our target language to help visitors learn about our school? You will work together to create a virtual, bilingual tour of your school. In teams, you will identify the most important places in the school. You may customize your tour for a specific audience. In your tours of each space, you can include information about activities in that space and the people who work there. You will plan scripts and develop storyboards in your teams before producing the virtual tours. The virtual tours will be featured on the school website for speakers of the language to see what the school stands for.

**Bridging the Gap:** How can we support younger students through the transition to middle school? You will work together to create a virtual, bilingual tour of your school. In teams, you will identify the most important places in the school. You may customize your tour for a specific audience. In your tours of each space, you can include information about activities in that space and the people there. You will plan scripts and develop storyboards in your teams before producing the virtual tours. The virtual tours will be featured on the school website for speakers of the language to see what the school stands for.

**Community Photojournalism:** How can we, as photojournalists, tell the untold stories of our community? We will identify themes and topics related to their communities, interview local community members, and capture photos. We will use the interviews and pictures to develop photographic essays that visually document local cultural and social stories. We will share photo essays with community members and others in a live or digital exhibition.

**Creative License:** Which is better: The book or the movie? Artists often interpret the works of others through different media. Old stories are turned into new stories. When a book becomes a film or plays via the director’s or actor’s vision, it is a new vision compared to what a reader once had to create. We will examine a film or play version of a story or drama in this project. Working as film/play critics, we will evaluate creative choices made by the directors or actors. You will write a review of a live production or film or television version of a book or play. As a group, you will compare and contrast specific elements of the work and the degree to which the direction or acting aligned with or departed from the original work. We will compile these reviews into a print or digital arts and culture magazine or website.

## **Reflect Block: Whole Child Supports**

**Toros Reflect (AJB)**

**Grades 6, 7, 8    SISD Course Numbers: 0626, 0726, 0846**

**Toreadors Reflect (Barnes)**

**Grades 6, 7, 8    SISD Course Numbers: 0627, 0727, 0847**

All students will attend a 56-minute period each Friday dedicated to deepening relationships across all campus stakeholders, primarily between teachers and students. During this time, teachers will use a curriculum from Character Strong, which focuses on character development and building the social-emotional competencies found in the CASEL Framework. Students will also engage in goal setting practices.

## **Grow Block: Whole Child Supports**

**Toros Grow (AJB)**

**Grades 6, 7, 8    SISD Course Numbers: 0624, 0724, 0844**

**Toreadors Grow (Barnes)**

**Grades 6, 7, 8    SISD Course Numbers: 0625, 0725, 0845**

Seguin ISD will provide high-dosage tutoring to identified students during two 45–minute sessions in one class period each Friday. During this time, students have an opportunity to receive instruction that is “just right” for them. All students will spend time working on Math skills, using the computer-based program MATHia, and Reading skills through silent-sustained reading practices and the online program Freckle. Teachers and students will track progress on their lessons over time and conferences will be held at least once a month to review goals and progress.

# **HIGH SCHOOL COURSE DESCRIPTIONS**

## **ENGLISH LANGUAGE ARTS AND READING**

### **English 1**

**Credit: 1.0**

**Prerequisite: None**

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

**SISD Course Number: 1002**

**Grade: 9**

### **English 1 Advanced**

**Credit: 1.0**

**Prerequisite: None**

Students will work independently and within a learning community to critically analyze a variety of literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse and complex selection of texts. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. A variety of research techniques will be taught to facilitate independent investigation of concepts and ideas. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled.

**SISD Course Number: 1009**

**Grade: 9**

### **English 1 SIM**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment.**

Students will use SIM and guided reading strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Scaffolding for language support will be embedded throughout the course.

**SISD Course Number: 1002H/1022AHE**

**Grade: 9**

### **English 1**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment.**

Students will develop skills in the areas of expressive, receptive, written and/or symbolic representations of language. Attention is given to the ability to communicate effectively within the range of the student's abilities (direct or through assistive devices). Students will integrate language in order to understand oral, written and/or symbolic communication. Oral, written and/or symbolic language will be used to express ideas, needs and inquiries. Communication will be examined in regard to social appropriateness, environmental cues and prompts, understanding generalizations in real life contexts, the responsibilities of independent living and participation in the community.

**SISD Course Number: 1002A**

**Grade: 9**



**English 2****Credit: 1.0****Prerequisite: None**

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts that reflect a wide range of cultures and world experiences. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

**Note:** This course meets State graduation requirements for communication skills proficiency.

**SISD Course Number: 1022****Grade: 10****English 2 Advanced****Credit: 1.0**

Students will work independently and within a learning community to critically analyze a variety of literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse and complex selection of texts that reflect a wide range of cultures and world experiences. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. A variety of research techniques will be taught to facilitate independent investigation of concepts and ideas. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled.

**Note:** This course meets State graduation requirements for speech communication skills proficiency.

**SISD Course Number: 1029****Grade: 10****English 2 SIM****Credit: 1.0****Prerequisite: English I SIM and/or committee approval required for enrollment.**

Students will use SIM and guided reading strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts that reflect a wide range of cultures and world experiences. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Scaffolding for language support will be embedded throughout the course.

**Note:** This course meets State graduation requirements for speech communication skills proficiency.

**SISD Course Number: 1022H/1002HE****Grade: 10**

**English 2A SIM****Credit: 1.0****SISD Course Number: 1022H****Grade: 10****Prerequisite: English I and/or committee approval required for enrollment.****This course is for ESL students who were not enrolled in English I SIM.**

Students will use SIM and guided reading strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts that reflect a wide range of cultures and world experiences. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Scaffolding for language support will be embedded throughout the course.

**Note:** This course meets State graduation requirements for speech communication skills proficiency.**English 2****Credit: 1.0****SISD Course Number: 1022A****Grade: 10****Prerequisite: Committee approval required for enrollment.**

This course will assist students in developing skills in the areas of expressive, receptive, written and/or symbolic representations of language. Attention is given to the ability to communicate effectively within the range of the student's abilities (direct or through assistive devices). Students will integrate language in order to understand oral, written and/or symbolic communication. Oral, written and/or symbolic language will be used to express ideas, needs, and inquiries. Communication will be examined in terms of social appropriateness, environmental cues and prompts, understanding generalizations in real life contexts, the responsibilities of independent living and participation in the community.

**Note:** This course meets State graduation requirements for speech communication skills proficiency.**English 3****Credit: 1.0****SISD Course Number: 1052****Grade: 11****Prerequisite: None**

Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on American literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format.

**English 3 Advanced Placement****SISD Course Number: 1069****Credit: 1.0****Grade: 11**

Instruction is rigorous and is designed to prepare college-bound students. Students will work independently and within a learning community to critically analyze a variety of literary genres with emphasis on influential works of American literature. Students will use their understanding of rhetorical strategies and literary elements to analyze and evaluate complex literature. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled. Students will implement effective and thoughtful research strategies to produce research products with correct documentation of sources and format.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

**English 3 Dual Credit****SISD Course Number: 1080****Credit: 1.0****Grade: 11**

**Prerequisite: Must meet TSI requirements. Students must earn a C or better in ENGL 1301 to take ENGL 1302 in the spring.**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 6 credit hours from St.

Philip's College for the following courses:

ENGL 1301 – Composition 1 and ENGL 1302 – Composition 2: Intensive study of and practice in writing processes and techniques for developing researched-based expository and persuasive texts. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

**English 4****SISD Course Number: 1082****Credit: 1.0****Grade: 12****Prerequisite: None**

Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on British literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format.

**English 4 Advanced Placement (AP)****SISD Course Number: 1099****Credit: 1.0****Grade: 12**

Instruction is rigorous and is designed to prepare college-bound students. Students will work independently and within a learning community to critically analyze a variety of literary genres with emphasis on influential works of British and American literature. Students will use their understanding of rhetorical strategies and literary elements to analyze and evaluate complex literature. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled. Students will implement effective and thoughtful research strategies to produce research products with correct documentation of sources and format.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**English 4 Dual Credit****Credit: 1.0****Prerequisite: Must meet TSI requirements. Students must earn a C or better in ENGL 2322 to take ENGL 2323 in the spring.****SISD Course Number: 1199****Grade: 12**

This is a college-level course that focuses on British Literature. A research paper is required which stresses methodology, organization, and techniques for effective written communication. Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 6 credit hours from St. Philip's College for the following courses:

ENGL 2322: British Literature I: A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

ENGL 2323: British Literature II: A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

**College Prep ELA****Credit: 1.0****Prerequisite: Enrollment based on TSI results.**

This is a college preparatory course designed to extend the understanding of English Language Arts concepts. The necessary components of grammar, persuasion, and argumentation needed for success in college are reviewed. Application of abstract and analytical thinking skills, advanced vocabulary, and writing skills are stressed. This is a fourth year course focused on those English Language Arts (ELA) skills necessary to pass the ELA placement tests at colleges, technical schools, and area community colleges. This course may satisfy TSI Reading College Readiness standards for any of the Alamo Colleges, UTSA, and Texas A&M San Antonio. Note: This course fulfills the 4th Advanced ELAR graduation requirement, but does not substitute for the English IV requirement under the Multidisciplinary Endorsement.

**SISD Course Number: 1090****Grade: 12****Reading Seminar****Credit: 1.0****Prerequisite: Committee approval required for enrollment.**

This course uses Tier 3 reading intervention to help students further develop student reading skills. This course may be repeated for a maximum of three credits.

**Note:** This course does not fulfill state credit requirements for graduation.

**SISD Course Number: 1618****Grades: 9-12****Communications Applications Dual Credit****Credit: 0.5****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 3 credit hours from St. Philip's College for the following course:

SPCH 1311: Introduction to Speech Communication

This is a college-level course that focuses on theories and practice of communication in interpersonal, small group and public speech. Students learn about communication theory, improve skills in communication with others, and make formal oral presentations.

**Note:** This is a one semester course.

**SISD Course Number: 1910****Grades: 9-12**

**Debate 1-3****Credit: 1.0****Prerequisite: None**

Students in this course will develop the skills needed to participate in UIL debate events. Studies will include debate formats, logical/critical thinking, reading skills for research, briefing of arguments, interpreting resolutions, construction of affirmative and negative cases, listening to cross examination, evaluation arguments, and presenting debates. Students will be required to enter and attend interscholastic competitions and will be required to attend practice and research sessions outside of school time.

**SISD Course Numbers: 1812, 1813, 1814****Grades: 10-12****Literary Genres: Mythology****Credit: 0.5****Prerequisite: None**

In this comprehensive course students read, write, discuss, research, and create projects in order to explore the patterns, messages, and implications of myths. This course examines the crucial centerpiece of the human quest for order, meaning and significance: myth. Beyond the thorough investigation of major mythic traditions (Greek, Roman, Norse, Egyptian), careful attention is devoted to exploring a “reader’s perspective” on myth (critical, “objective,” or sympathetic) and major thematic elements. Students draw regular parallels to and applications from the myths of interest.

**Note:** Students must successfully complete both semester courses to earn 1.0 state credit of Literary Genres.

**SISD Course Number: 1760****Grades: 11-12****Literary Genres: Bible as Literature****Credit: 0.5****Prerequisite: None**

The course approaches the study of the Hebrew Bible as literature, considering such topics as the history of the texts, imagery, wisdom literature, and various literary motifs such as the hero story, the journey, rite of passage, and reversal. The course will also consider the influence of the Bible in world literature and art.

**Note:** Students must successfully complete both semester courses to earn 1.0 state credit of Literary Genres.

**SISD Course Number: 1765****Grades: 11-12**

## **English for Speakers of Other Languages(ESOL)**

English for Speakers of Other Languages (ESOL) is offered to assist students whose native language is not English in gaining a level of fluency which will enable their completion of a high school education. A maximum of two ESOL English credits may be applied to the 4-credit English requirement for graduation. Additional ESOL courses will be counted as elective credits.

### **English 1 Speakers of Other Languages (ESOL)**

**Credit: 1.0**

**SISD Course Number: 1011**

**Grade: 9**

**Prerequisite: Placement committee based on the student's level of English proficiency.**

This course teaches the same academic content as English I while supporting English Language Learners in developing interpersonal and academic vocabulary. Initial instruction focuses on listening and speaking, and reading and writing skills are developed simultaneously as the student comprehends and speaks more English.

### **English 1 Speakers of Other Languages (ESOL)**

**Credit: 1.0**

**SISD Course Number: 1011A**

**Grade: 9**

**Prerequisite: Placement by committee based on the student's level of English proficiency.**

This is a supportive functional reading course. Students apply the use of speaking, listening, reading, and writing strategies in order to enhance their knowledge and skills in the processes of reading. Relevant and meaningful applications are used in order to provide context for the use of reading in real life and practical situations.

### **English 2 Speakers of Other Languages (ESOL)**

**Credit: 1.0**

**SISD Course Number: 1031**

**Grade: 10**

**Prerequisite: ESOL 1 or placement by committee based on the student's level of English proficiency.**

This course teaches the same academic content as English 2 while supporting English Language Learners in developing interpersonal and academic vocabulary. This is a course dedicated to vocabulary development in content areas through a whole language approach. Communicative skills are stressed.

### **English 2 Speakers of Other Languages (ESOL)**

**Credit: 1.0**

**SISD Course Number: 1031A**

**Grade: 10**

**Prerequisite: Committee approval required for enrollment.**

This is a supportive functional reading course. Students apply the use of speaking, listening, reading, and writing strategies in order to enhance their knowledge and skills in the processes of reading. Relevant and meaningful applications are used in order to provide context for the use of reading in real life and practical situations.

### **Newcomer English Language Development (NELD) A**

**Credit: 0.5**

**SISD Course Number: 1565**

**Grade: 9**

**Prerequisite: Placement based on the student's level of English proficiency.**

This course develops language, survival vocabulary, and the basic building blocks of literacy for secondary recent immigrant students with little or no English proficiency. The development of communicative competence occurs through targeted lessons based on students' needs with the goal of increasing proficiency in English in all four language domains. This course is taken in conjunction with ESOL 1.

**Note:** This is a one semester course.

**Newcomer English Language Development (NELD) B****SISD Course Number: 1566****Credit: 0.5****Grade: 10****Prerequisite: NELD A or placement based on the student's level of English proficiency.**

NELD-B is a second semester course designed to provide educational opportunities for immigrants who have limited experience in the American school system. More rigorous than NELD-A, this course prepares students for a smooth transition and success with the ESOL/ELPS, and ELA TEKS leading to the College & Career Readiness Standards. Students are challenged to apply higher-order thinking skills and have access to a curriculum that covers reading, writing, listening, speaking, and second language acquisition. This course is taken in conjunction with ESOL 1.

**Note:** This is a one semester course.**Reading ESOL 2****SISD Course Number: 1611****Credit: 1.0****Grade: 10****Prerequisite: Placement based on the student's level of English proficiency.**

This beginner through intermediate-level ESOL course focuses on understanding and interpreting reading selections related to a thematic unit covered in ESOL-2, which is taken in conjunction with this course, to develop reading skills necessary for basic skill test and mainstream course work. Research projects and development of study skills are important aspects of this course.

# **MATHEMATICS**

## **Algebra 1**

**Credit: 1.0**

**Prerequisite: None**

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

**SISD Course Number: 2003**

**Grades: 9-12**

## **Algebra 1**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment.**

This course is designed to reinforce math operations using a variety of practical, real life situations that facilitate the understanding of using mathematics in daily living exercises. Emphasis is on applying mathematics in the use of money, personal financial situations and solving home and work problems by using the concepts of fundamental mathematics. Students practice these strategies within the context of simulations designed to reinforce the understanding of basic operations, as well as the application of these operations within technological tools that enhance understanding and accuracy.

**SISD Course Number: 2003A**

**Grades: 9-12**

## **Geometry**

**Credit: 1.0**

**Prerequisite: Algebra 1**

Within the course, students focus on more precise terminology, symbolic representations, and the development of proofs. Students explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand.

**SISD Course Number: 2023**

**Grades: 9-12**

## **Geometry Advanced**

**Credit: 1.0**

**Prerequisite: Algebra 1**

In addition to the general Geometry this course also provides a more in-depth experience in the concepts of Geometry. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability

**SISD Course Number: 2029**

**Grades: 9-12**



**Algebra 2****Credit: 1.0****Prerequisite: Algebra 1**

In Algebra 2, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

**SISD Course Number: 2053****Grades: 9-12****Algebra 2 Advanced****Credit: 1.0****Prerequisite: Algebra 1**

In addition to general Algebra 2, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

**SISD Course Number: 2059****Grades: 9-12****Mathematical Models with Applications****Credit: 1.0****Prerequisite: Algebra 1**

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.

**SISD Course Number: 2061****Grades: 11-12****Advanced Quantitative Reasoning (AQR)****Credit: 1.0****Prerequisite: Geometry and Algebra 2**

In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

**SISD Course Number: 2018****Grades: 11-12**

**Precalculus****Credit: 1.0****Prerequisite: Algebra 1, Geometry, and Algebra 2**

Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

**SISD Course Number: 2062****Grades: 11-12****Precalculus Advanced****Credit: 1.0****Prerequisite: Algebra 1, Geometry, and Algebra 2**

In addition to general Precalculus, properties and applications of trigonometric functions, including trigonometric ratios, their graphs, identities, and inverse functions. Other topics include conic sections, polynomial functions, exponential functions, logarithmic functions, sequences and series, complex numbers, and vectors. Students will experience a more in depth study of the previously mentioned topics. This advanced academic course is designed for students who intend to take AP Calculus during their senior year.

**SISD Course Number: 2064****Grades: 11-12****Statistics****Credit: 1.0****Recommended Prerequisite: Algebra 2**

Statistics is a course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. This course will prepare students for the college mathematics they plan to take and extend their learning in high school mathematics. If the student is highly successful in Algebra 2, then AP Statistics, through which the student could potentially earn college credit, could be their fourth math course instead of Statistics. Statistics is not a prerequisite for AP Statistics.

**Note:** Students should be strong in ELA and show successful completion of TSIA or STAAR English I and II.

**SISD Course Number: 2009****Grades: 10-12****Calculus AB Advanced Placement (AP)****Credit: 1.0****Prerequisite: Precalculus**

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

**SISD Course Number: 2099****Grades: 11-12**

**Statistics Advanced Placement (AP)****Credit: 1.0****Recommended Prerequisite: Algebra 2 or Equivalent**

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. **Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**SISD Course Number: 2098****Grades: 10-12****Computer Science A Advanced Placement (AP)****Credit: 2.0 (Math & LOTE) \*one hour class****Prerequisite: Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as  $f(x) = x + 2$  and  $f(x) = g(h(x))$ .****Recommended Prerequisite: Computer Science Principles**

Students will use the Java programming language to solve problems from a variety of different subject areas. Students will also learn the basics of computer hardware and software, as well as responsible use of these systems. Due to the extensive use of computers that is required, students will need to have access to a computer outside of regular school hours.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.**SISD Course Number: 2122****Grades: 10-12****Independent Studies In Mathematics 1 (YR)****Dual Credit: College Algebra****Credit: 1.0****Prerequisite: Algebra 2, must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 3 credit hours from St. Philip's College for the following course: MATH 1314: College Algebra. This is a college-level course that provides an in-depth study and application of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

**SISD Course Number: 2068****Grades: 11-12****Independent Studies In Mathematics 1 or 2 (YR)****Dual Credit: Precalculus****Credit: 1.0****Prerequisite: Algebra 2, must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 6 credit hours from St. Philip's College for the following courses: MATH 1414: College Algebra (Precal Track) and MATH 2412: Precalculus

This two-course sequence includes in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices, as well as a combined study of algebra, trigonometry, and other topics for calculus readiness.

**SISD Course Number: 2070/2071****Grades: 11-12**

**Math College Prep****Credit: 1.0****Prerequisite: Enrollment based on TSI results.**

This course addresses a variety of mathematical topics needed to prepare students to be successful in college-level mathematics. Students will connect and use multiple strands of mathematics in situations and problems, as well as other disciplines. This is a fourth year course focused on those Math skills necessary to pass the Math placement tests at colleges, technical schools, and area community colleges. This course may satisfy TSIA Math standards for any of the Alamo Colleges, UTSA, and Texas A&M San Antonio.

**SISD Course Number: 2090****Grade: 12****Algebraic Reasoning****Credit: 1.0****Prerequisite: Algebra 1**

This course builds on the knowledge and skills for mathematics leading up to and including Algebra I, continues with the development of mathematical reasoning related to algebraic understandings and processes, and deepens a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

**SISD Course Number: 2007****Grades: 9-12**

## **SCIENCE**

### **Integrated Physics And Chemistry**

**Credit: 1.0**

**Prerequisite: None**

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

**Note:** This course does not count towards a STEM endorsement.

**SISD Course Number: 3022**

**Grades: 9-10**

### **Biology**

**Credit: 1.0**

**Prerequisite: None**

In Biology, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

**SISD Course Number: 3002**

**Grades: 9-11**

### **Biology Advanced**

**Credit: 1.0**

In addition to general Biology, instruction is at a faster pace which permits investigation of topics at a greater depth. Six major out-of-class projects will be required. Analysis questions will be included on all tests. Dissections may be a part of the curriculum. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

**SISD Course Number: 3009**

**Grades: 9-12**

### **Biology**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment.**

The Alternate Science course studies science-based concepts related specifically to independent daily living and employment. Attention is given to relating science to home and job practices that foster the understanding of students' roles and responsibilities in the care and operation of both facilities. Activities are "hands-on" experiences with an emphasis on cooperative learning strategies. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

**SISD Course Number: 3002A**

**Grades: 9-12**

**Chemistry****Credit: 1.0****SISD Course Number: 3042****Grades: 10-12****Prerequisite: Biology, Algebra 1, Geometry or concurrent enrollment in Geometry or Algebra 2**

Recommended Prerequisite: Completion or concurrent enrollment in a second year of mathematics. In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

**Chemistry Advanced****Credit: 1.0****SISD Course Number: 3049****Grades: 10-12****Prerequisite: Biology, Algebra 1, Geometry or concurrent enrollment in Geometry or Algebra 2**

This preparation course for Chemistry AP includes all the elements of general Chemistry. Instruction is at a faster pace, which permits investigation of topics at a greater depth. In addition, major emphasis will be placed on an independent research project, which includes project selection, literature search, experimental design, data collection, data analysis, and presentation of findings.

**Physics****Credit: 1.0****SISD Course Number: 3072****Grades: 11-12****Prerequisite: Algebra 1**

In Physics, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical-thinking skills.

**Physics Advanced****Credit: 1.0****SISD Course Number: 3079****Grades: 11-12****Prerequisite: Algebra 2 or concurrent enrollment in Algebra 2**

In addition to general Physics, emphasis will be placed on the formulation of models used to solve problems. Major emphasis will be placed on an independent research project which includes project selection, literature search, experimental design, data collection, data analysis, and presentation of findings.

**Chemistry Advanced Placement (AP)****Credit: 1.0****SISD Course Number: 3069****Grades: 11-12****Recommended Prerequisite: Chemistry or Chemistry A, Algebra 2 or concurrent enrollment in Algebra 2**

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**Biology Advanced Placement (AP)****SISD Course Number: 3001****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Biology or Biology A, Chemistry or Chemistry AP**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**Earth and Space Science****SISD Course Number: 3004****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Three units of science (one can be taken concurrently), three units of math (one can be taken concurrently)**

Earth and Space Science is designed to build students' prior scientific and academic knowledge and skills to develop an understanding of Earth's system in space and time. Students will investigate Earth through each of its spheres and then investigate space in relation to Earth. Topics include Earth's 5 spheres, plate tectonics, the fossil record, natural resources, the solar system, and the universe. Students will be required to complete various projects, class presentations, work individually, and work in teams.

**Astronomy****SISD Course Number: 3003****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Two units of science, Biology and Chemistry or IPC**

In Astronomy, students conduct field and laboratory investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical thinking skills.

**Environmental Systems****SISD Course Number: 3023****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: One unit high school life science and one unit of high school physical science**

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

**Environmental Science Advanced Placement (AP)****SISD Course Number: 3025****Credit: 1.0****Grades: 11-12****Prerequisite: One year of life science, one year of physical science, Algebra 1**

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply..

**Anatomy & Physiology****Credit: 1.0****SISD Course Number: 80831****Grades: 11-12****Prerequisite: Biology, Chemistry Recommended: Course from the Health Science Career Cluster in CTE**

Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

**Medical Microbiology****Credit: 1.0****SISD Course Number: 3024****Grades: 11-12****Recommended Prerequisite: Biology and Chemistry**

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement.

**Pathophysiology****Credit: 1.0****SISD Course Number: 3026****Grades: 11-12****Recommended Prerequisite: Biology and Chemistry**

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

**Forensic Science****Credit: 1.0****SISD Course Number: 81223****Grades: 11-12****Prerequisite: Biology and Chemistry**

Recommended Prerequisite: Any Law, Public Safety, Corrections, and Security Career pathway in CTE. Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.



**Scientific Research and Design Dual Credit:**

**SISD Course Number: 3144**

**Biology for Science Majors**

**Grades: 11-12**

**Credit: 1.0**

**Prerequisite: One year of high school science (Biology and Chemistry recommended); must meet TSI requirements. Students must earn a C or better in BIOL 1406 to take BIOL 1407 in the spring.**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 6 credit hours per semester from St. Philip's College for the following courses:

BIOL 1406 and 1407: Biology for Science Majors I&II: This course covers the fundamental principles of living organisms including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of reproduction, genetics, ecology, and the scientific method are included.

Learning outcomes include the history and philosophy of the science of biology, basic chemistry, cellular structure and function, energetics, genetics, evolution, taxonomy and survey of the kingdoms is covered. Laboratory exercises will complement lecture topics.

**Note:** Students must take both semesters to earn 1.0 high school science credit.

**Anatomy & Physiology (YR) Dual Credit**

**SISD Course Number: 3031**

**Credit: 1.0**

**Grade: 12**

**Prerequisite: Must meet TSI requirements. Students must earn a C or better in BIOL 2401 to take BIOL 2402 in the spring.**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course receive 6 credit hours per semester from St. Philip's College for the following courses:

BIOL 2401 and 2402: Human Anatomy & Physiology I & II: This two-course sequence involves the study of the structure and function of the human body. Including cells, tissues, organs, and the following systems: endocrine, digestive, respiratory, cardiovascular, lymphatic, genitourinary and reproductive.

## **SOCIAL STUDIES**

### **World Geography Studies**

**Credit: 1.0**

**Prerequisite: None**

This course introduces the physical and cultural geography of the earth and its impact on historical and contemporary events. Students will explore the five major geographic themes, geographic terminology, the physical setting of the earth, and the world's regions and cultures. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

**SISD Course Number: 4022**

**Grade: 9**

### **World Geography Studies Advanced**

**Credit: 1.0**

Pre-AP World Geography Studies extends the regular World Geography Studies course by including a more in-depth study of physical, cultural, and political geography. Students will analyze information from a variety of primary and secondary sources to draw conclusions as to how geography influences the political, social, and economic structures within each country and region studied.

**SISD Course Number: 4029**

**Grade: 9**

### **Human Geography Advanced Placement (AP)**

**Credit 1.0**

**Recommended Prerequisite: US History Advanced Grade 8**

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

**SISD Course Number: 4023**

**Grade: 9**

### **World History Studies**

**Credit: 1.0**

**Prerequisite: None**

This course provides students an overview of the history of humankind. Traditional historical points of reference in World History are identified as students analyze important events and issues from earliest times to the present using primary and secondary source materials, reading and writing skills, technology, and critical thinking.

**SISD Course Number: 4032**

**Grade: 10**

### **World History Advanced Placement (AP)**

**Credit: 1.0**

**Recommended Prerequisite: World Geography Advanced or Human geography Advanced Placement (AP)**

Advanced Placement World History covers the major themes of world history from Ancient Greece to the Twentieth Century, tracing the historical development of human cultures. This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading.

**SISD Course Number: 4039**

**Grade: 10**

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**United States History Since 1877****SISD Course Number: 4002****Credit: 1.0****Grade: 11****Prerequisite: None**

This course traces the emergence and growth of the United States following Reconstruction to the present. Topics include the emergence of the U.S. as a world power, geographical influence on historical events, the economic growth and development of the U.S., social and cultural developments within the country, and the evolution of political processes since the Civil War. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

**United States History Since 1877****SISD Course Number: 4002A****Credit: 1.0****Grade: 11****Prerequisite: Committee approval required for enrollment.**

This course focuses on U.S. history from Reconstruction to the present. Students analyze major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today.

**United States History Dual Credit****SISD Course Number: 4190****Credit: 1.0****Grade: 11****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 6 credit hours from St. Philip's College for the following courses:

HIST 1301: US History I and HIST 1302: US History II: This is a survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the present. Themes that may be addressed include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

**United States History Advanced Placement (AP)****SISD Course Number: 4019****Credit: 1.0****Grade: 11****Recommended Prerequisite: World History Advanced Placement (AP)**

Advanced Placement (AP) U.S. History is a fast-paced history class that covers the following eight historical periods: Revolution and Constitution, the Jacksonian Era, the Civil War and Reconstruction, the Populist and Progressive Movements, World War I, the Great Depression and the New Deal, World War II, and International and Domestic Developments in the post-World War II Era. This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**United States Government****SISD Course Number: 4052****Credit: 0.5****Grade: 12****Prerequisite: None**

This course is designed to provide an understanding of the functions of federal, state, and local governments. Major focus is placed on the Constitution and its influence on all governmental levels and the rights and responsibilities of American citizenship.

**Note:** This is a one semester course.

**United States Government Dual Credit****SISD Course Number: 4198****Credit: 0.5 (ONLINE CLASS)****Grade: 12****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St.

Philip's for the following course:

GOVT 2305: Federal Government: This college level course focuses on the following aspects of United States government: origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

**Note:** This is a one semester course.

**U.S. Government and Politics****SISD Course Number: 4069****Advanced Placement (AP)****Grade: 12****Credit: 0.5****Recommended Prerequisite: US History Dual Credit or US History Advanced Placement (AP)**

This course offers an analytical perspective on government and politics in the United States, involving the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. political reality. This class requires extensive outside reading, research and writing.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply. This is a one semester course.

**Economics with Emphasis on the Free Enterprise System and Its Benefits****SISD Course Number: 4072****Credit: 0.5****Grade: 12****Prerequisite: None**

This course focuses on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students will use primary and secondary source materials, technology, and critical thinking skills to better understand the free enterprise system and its benefits.

**Note:** This is a one semester course.

**Economics Dual Credit****SISD Course Number: 4199****Credit: 0.5 (ONLINE CLASS)****Grade: 12****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St.

Philip's College for the following course:

ECON 2301: Principles of Macroeconomics: This college-level course is a survey of microeconomic and macroeconomic principles for non-business majors. Microeconomic topics will include supply and demand, consumer behavior, price and output decisions by firms under various market structures, factor markets, market failures, international trade, and exchange rates. Macroeconomic topics will include national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth. Students use the tools and methods of economic analysis, data analysis, and formal research and writing projects. **Note:** This is a one semester course.

**Macroeconomics Advanced Placement (AP)****SISD Course Number: 4092****Credit: 0.5****Grade: 12****Recommended Prerequisite: US History Advanced Placement (AP) or United States History Dual Credit**

The purpose of this course is to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers--consumers and producers--within the larger economical system. It places primary emphasis on the nature and function of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This class requires extensive outside reading, research and writing.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply. This is a one semester course.

**Psychology****SISD Course Number: 4125****Credit: 0.5****Grades: 11-12****Prerequisite: None**

In this course, students will learn the basic terms, methods, and applications of psychology. They will have opportunities to study the historical development of the field of psychology; consider the development of the individual and personality; and to study various topics including emotion, motivation, learning and dysfunctional behavior.

**Note:** This is a one semester course.

**Psychology Advanced Placement (AP)****SISD Course Number: 4126****Credit: 1.0****Grades: 11-12****Recommended Prerequisite: Previously taken Advanced Placement (AP) or Dual Credit Social Studies course**

In this course, students will survey and develop an understanding of the major topics of psychology. Topics to be studied will include: learning, thinking, motivation, emotion, personality, the senses, perception, and the form and functions of the nervous system. This class requires extensive outside reading, research and writing. Note: Students are required to take the Advanced Placement exam in May and exam fees apply.

**Psychology Dual Credit****SISD Course Number: 4128****Credit: 0.5 (ONLINE CLASS)****Grades: 11-12****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St.

Philip's College for the following course:

PSYC 2301: General Psychology: This college credit elective course provides a survey of major topics in psychology and introduces the study of behavior and the factors that determine and affect behavior and mental processes. Students will identify various research methods and their characteristics used in the scientific study of psychology along with the historical influences and early schools of thought that shaped the field of psychology. Students will also identify terminology unique to the study of psychology and understand accepted approaches and standards in psychological assessment and evaluation as well as identify factors in physiological and psychological processes involved in human behavior.

**Note:** This is a one semester course.

**Sociology****Credit: 0.5****Prerequisite: None**

This elective course is designed to provide an introduction to the structure, attitudes, and behavior of social groups and institutions. Emphasis is placed on contemporary social problems and their effects on people and cultures. Using case studies, current events, research, and primary documents, students will study components of culture, history of sociology, research methods, social structure, stratification, the socializing process, deviant social control, and social movements.

**Note:** This is a one semester course.**SISD Course Number: 4124****Grades: 11-12****Ethnic Studies: Mexican American Studies****Credit: 1.0****Prerequisite: None**

In this elective course students learn about the history and cultural contributions of Mexican Americans. Students will explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20<sup>th</sup> and 21<sup>st</sup> centuries, but students will also learn about events prior to the 20<sup>th</sup> century.

**SISD Course Number: 1300****Grades: 10-12****Ethnic Studies: African American Studies****Credit: 1.0****Prerequisite: None**

In this elective course students learn about the history and cultural contributions of African Americans. Students will explore the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the context of United States history. Students will analyze important dates, social and cultural values, beliefs, and traditions.

**SISD Course Number: 1301****Grades: 10-12****Personal Financial Literacy****Credit: 0.5****Prerequisite: None**

This elective course is designed to develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. This course is designed to be an interactive and research-based course and includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education (FAFSA).

**Note:** This is a one semester course.**SISD Course Number: 4123****Grades: 10-12****Special Topics in Social Studies 1****Dual Credit: Social Psychology (ONLINE CLASS)****Prerequisite: Must meet TSI requirements. Must take PSYC 2301 (General Psychology DC) and earn a C or better to enroll in this course.**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St.

Philip's College for the following course:

PSYC 2319: Social Psychology: This course includes the study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes.

**Note:** This is a one semester course.**SISD Course Number: 4086****Grades: 11-12 Credit: 0.5**

**Social Studies Research Methods 1****SISD Course Number: 4081****Dual Credit: Texas Government (ONLINE CLASS)****Grade: 12 Credit: 0.5****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St.

Philip's College for the following courses:

GOVT 2306: Texas Government: This course will address the origin and development of the Texas constitution, structure, and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas.

**Special Topics in Social Studies 1 and 2****SISD Course Number: 4087DC, 4088DC****Dual Credit: World Civilization I and II****Grades: 11-12****Credit: 0.5 per semester; total 1.0****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 6 credit hours from St.

Philip's College for the following courses:

HIST 2321: World Civilization I & HIST 2322: World Civilization II: A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the 15th century to the present. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include the emergence of early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange.

## **PHYSICAL EDUCATION, ATHLETICS, AND SPORTS MEDICINE**

### **Lifetime Fitness and Wellness Pursuits**

**Credit: 1.0**

**Prerequisite: None**

The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

In Section 5003P of this course, as a PARTNERS IN PE PROGRAM, students are provided the opportunity to be effective mentors, peer helpers, and role models in a physical education class alongside students with special needs. Students are provided opportunities for hands-on experience in teaching and working with individuals with diverse abilities, while developing knowledge and skills related to lifetime physical activity and wellness.

**SISD Course Number: 5003/5003P**

**Grades: 9-12**

### **Skill-Based Lifetime Activities**

**Credit: 1.0**

**Prerequisite: None**

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities participate in a minimum of one lifelong activity from each of the following five categories during the course. (Target, Striking/Fielding, Fitness, Rhythmic, and Innovative Games and Activities)

In Section 5006P of this course, as a PARTNERS IN PE PROGRAM, students are provided the opportunity to be effective mentors, peer helpers, and role models in a physical education class alongside students with special needs. Students are provided opportunities for hands-on experience in teaching and working with individuals with diverse abilities, while developing knowledge and skills related to lifetime physical activity and wellness.

**SISD Course Number: 5006/5006P**

**Grades: 9-12**

### **Lifetime Recreation and Outdoor Pursuits**

**Credit: 1.0**

**Prerequisite: None**

The Lifetime Recreation and Outdoor Pursuits course provides opportunities for students to develop competency in five or more lifelong recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits participate in activities that promote physical literacy, respect for and connection to nature and the environment, and opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

Note: Parent permission is required to participate in this course. Students travel by bus to community parks and /or the Outdoor Learning Center daily for class.

**SISD Course Number: 5115**

**Grades: 10-12**



## **Athletics**

*Seguin High School offers a variety of competitive sports for both girls and boys. Athletic activities are operated under guidelines of the University Interscholastic League (UIL). Participation requires approval of the head coach of the respective sport(s), parent permission, a physical examination by a licensed physician, and maintenance of a satisfactory academic record.*

### **Tennis I-IV**

**Credit: 1.0**

**SISD Course Number: 5226, 5236, 5286, 5296**

**Grades: 9-12**

### **Cross Country I-IV**

**Credit: 1.0**

**SISD Course Number: 5213, 5253, 5263, 5273**

**Grades: 9-12**

### **Golf I-IV**

**Credit: 1.0**

**SISD Course Number: 5214, 5254, 5264, 5274**

**Grades: 9-12**

### **Boys Soccer I-IV**

**Credit: 1.0**

**SISD Course Number: 5215, 5255, 5265, 5275**

**Grades: 9-12**

### **Girls Soccer I-IV**

**Credit: 1.0**

**SISD Course Number: 5216, 5256, 5266, 5276**

**Grades: 9-12**

### **Baseball I-IV**

**Credit: 1.0**

**SISD Course Number: 5212, 5252, 5262, 5272**

**Grades: 9-12**

### **Softball I-IV**

**Credit: 1.0**

**SISD Course Number: 5210, 5220, 5230, 5250**

**Grades: 9-12**

### **Football I-IV**

**Credit: 1.0**

**SISD Course Number: 5222, 5227, 5242, 5292**

**Grades: 9-12**

### **Volleyball I-IV**

**Credit: 1.0**

**SISD Course Number: 5223, 5233, 5243, 5293**

**Grade: 9-12**

### **Boys Basketball I-IV**

**Credit: 1.0**

**SISD Course Number: 5224, 5234, 5244, 5294**

**Grades: 9-12**

### **Girls Basketball I-IV**

**Credit: 1.0**

**SISD Course Number: 5225, 5235, 5245, 5295**

**Grades: 9-12**

## **Cheerleading I - IV**

**Credit: 1.0**

**SISD Course Number: 5306, 5305, 5304, 5310**

**Grades: 9-12**

**Prerequisite: Selected by a panel of judges.**

Cheerleaders perform at sporting events and represent SHS in competition.

**Note:** Parent permission and fees of approximately \$600 - \$800 are required. Students may earn PE Substitution credit for Cheerleading.

## **Sports Medicine Courses**

*Sports Medicine courses do NOT count as the physical education requirement for State graduation.*

### **Sports Medicine I**

**Credit: 1.0**

**SISD Course Number: 5246**

**Grades: 10-12**

**Prerequisite: Prior approval by the Athletic Trainer**

Sports Medicine I is designed to provide students with the opportunity for the study of the knowledge and skills in the components of sports medicine including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, bloodborne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

### **Sports Medicine II**

**Credit: 1.0**

**SISD Course Number: 5247**

**Grades: 11-12**

**Prerequisite: Sports Medicine I, prior approval by the Athletic Trainer**

Sports Medicine II is designed to provide students with the opportunity for a more in-depth study of the knowledge and skills in the components of Sports Medicine I including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, bloodborne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

### **Sports Medicine III**

**Credit: 1.0**

**SISD Course Number: 5248**

**Grade: 12**

**Prerequisite: Sports Medicine II, prior approval by the Athletic Trainer**

The course will provide opportunities for advanced students in the sports medicine program to research, investigate, prepare, and present article reviews, case studies, research projects, visual poster presentations, and multimedia presentations on instructor-approved topics. The athletic training students will continue to perform the assigned duties and responsibilities in the operation of the athletic training room under the supervision of a licensed athletic trainer. These duties will prepare the students to apply the knowledge and skills acquired in the sports medicine course curriculum. The required duties will be a portion of the grade earned in the course.

## **NAVAL JUNIOR ROTC (NJROTC)**

### **Naval Science I**

**Credit: 1.0**

**Prerequisite: None**

This course introduces students to the responsibilities of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. The course is designed to develop an appreciation for American heritage and traditions, with recognition of the historically significant role that sea power plays in determining America's future. Topics are presented at a fundamental level.

**SISD Course Number: 5401**

**Grades: 9-12**

### **Naval Science II**

**Credit: 1.0**

**Prerequisite: One-year in JROTC or Naval Science I**

This course addresses the same topics that were introduced in Naval Science I, with greater emphasis on practical application of leadership and management theory. Technical subjects are covered in greater detail and working models of concepts introduced in NSI are applied to practical situations. This course also addresses the Navy's role in American History and the effect it had around the world.

**SISD Course Number: 5402**

**Grades: 9-12**

### **Naval Science III**

**Credit: 1.0**

**Prerequisite: Two years in JROTC or Naval Science II**

This course is a continuation of applied leadership concepts and more in-depth investigation of technical subjects. Leadership skills will be exercised on a daily basis. Cadets will begin to assume responsibility for the organization and operations of the Corps of Cadets.

**SISD Course Number: 5403**

**Grades: 10-12**

### **Naval Science IV**

**Credit: 1.0**

**Prerequisite: Two years in JROTC, permission from Senior Naval Science Instructor or Naval Science 3**

This course provides practical experience in planning, organizing, and executing theories of group dynamics as leaders of the SHS Corps of Cadets. Classroom training and research projects are designed to complement and reinforce the application of leadership theories and techniques learned in previous NJROTC courses.

**SISD Course Number: 5404**

**Grade: 12**

## **LANGUAGES OTHER THAN ENGLISH (LOTE)**

### **French I**

**Credit: 1.0**

**Prerequisite: None**

This is an introductory course to French culture and language, with emphasis on developing the four basic international language skills of listening, speaking, reading, and writing in French. Students will learn the basic structure of the written and spoken language and be introduced to the cultures of the French-speaking countries.

**SISD Course Number: 1502**

**Grades: 9-12**

### **French II**

**Credit: 1.0**

**Prerequisite: French 1 or passing score on district administered Credit-by-Exam**

In this course, the students will further develop an appreciation of French culture and continue to refine their French speaking skills. Additional emphasis will be placed on reading and writing skills and more advanced grammar.

**SISD Course Number: 1512**

**Grades: 9-12**

### **French III**

**Credit: 1.0**

**Prerequisite: French 2 or passing score on district administered Credit-by-Exam**

This is an enriched course with emphasis on advanced vocabulary, grammar, and literature, in addition to the reading, writing, listening, and speaking. A strong foundation is laid in grammar, and the students continue to learn more about the culture of the French-speaking world.

**SISD Course Number: 1519**

**Grades: 9-12**

### **French IV**

**Credit: 1.0**

**Prerequisite: French 3 or passing score on district administered Credit-by-Exam**

This course is a continuation of French 3 with emphasis on student performance/production in the target language and with greater emphasis on literature. Oral proficiency will be emphasized.

**SISD Course Number: 1520**

**Grade: 10-12**

### **Spanish I**

**Credit: 1.0**

**Prerequisite: None**

This course covers the skills of listening, speaking, reading, and writing in Spanish. Emphasis is on understanding common expressions, greetings, questions, commands, and simple conversation. The ability to give an appropriate oral response and participate in elementary conversation is stressed. Culture and language learning techniques are also an integral part of the course.

**SISD Course Number: 1562**

**Grades: 9-12**

### **Spanish II**

**Credit: 1.0**

**Prerequisite: Spanish I or passing score on district administered Credit-by-Exam**

A study of the grammatical construction of the language is continued by an extensive review of concepts learned in Spanish I. The focus is on oral reading, reading comprehension, expanding vocabulary and writing brief compositions. The ability to give an appropriate oral response and participate in simple conversation is stressed. Culture and language learning techniques are also an integral part of the course.

**SISD Course Number: 1573**

**Grades: 9-12**

**Spanish II Advanced****SISD Course Number: 1574****Credit: 1.0****Grades: 9-12****Prerequisite: Spanish I or passing score on district administered Credit-by-Exam**

Spanish II curriculum presented with an intense approach in vocabulary (enrichment) and faster pace in grammar. Opportunity for advanced preparation in writing skills and higher level reading comprehension activities would be implemented. Instruction will be conducted fully in Spanish to increase and sharpen listening, oral, comprehension, expression, interpretation as well as writing skills.

**Spanish III****SISD Course Number: 1579****Credit: 1.0****Grades: 9-12****Prerequisite: Spanish II or passing score on district administered Credit-by-Exam**

A study of the grammatical construction of the language is continued by an extensive review of concepts learned in Spanish II. This course is primarily conducted in Spanish with a focus on language learning techniques and expanding vocabulary through listening and speaking activities. Reading comprehension and writing composition is increased through short stories, and current events.

**Spanish III Dual Credit****SISD Course Number: 1577****Credit: 1.0****Grades: 10 – 12****Prerequisites: Spanish II; must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 4 credit hours per semester from St. Philip's College for the following courses:

SPAN 1411: Elementary Spanish I and SPAN 1412: Elementary Spanish II

Students will be introduced to the college level fundamentals of the Spanish Language and culture in order to develop listening, speaking, reading, and writing skills.

**Note:** Students must take both semesters to earn 1.0 high school LOTE credit.

**Spanish IV****SISD Course Number: 1599****Credit: 1.0****Grades: 10-12****Prerequisite: Spanish III or passing score on district administered Credit-by-Exam**

This course is intended for students who are English dominant speakers with a high ability to function in the foreign language. Spanish will be used for active communication. Students will work to increase conversational skills, to socially integrate in the community, and the job force area, and to connect to real world events. Cultural awareness, history and current events related to Latin American countries will play an integral part.

**Spanish IV Dual Credit****SISD Course Number: 1591****Credit: 1.0****Grades: 10 – 12****Prerequisites: Spanish III Dual Credit; must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College. Students who successfully complete this course will receive 4 credit hours per semester from St. Philip's College for the following courses:

SPAN 2311: Intermediate Spanish I and SPAN 2312: Intermediate Spanish II

This course provides additional development of language skills in listening, speaking, reading, and writing. Short literary selections are introduced in a context of Hispanic culture and civilization.

**Note:** Students must take both semesters to earn 1.0 high school LOTE credit.

**Spanish IV Language and Culture (AP)****Credit: 1.0****SISD Course Number: 1598****Grades: 9-12****Recommended Prerequisite: Three credits in Spanish**

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**Computer Science A Advanced Placement (AP)****Credit: 2.0 (Math & LOTE) \*one hour class****SISD Course Number: 2122****Grades: 10-12**

**Prerequisite:** Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as  $f(x) = x + 2$  and  $f(x) = g(h(x))$ .

**Recommended Prerequisite: Computer Science Principles**

Students will use the Java programming language to solve problems from a variety of different subject areas. Students will also learn the basics of computer hardware and software, as well as responsible use of these systems. Due to the extensive use of computers that is required, students will need to have access to a computer outside of regular school hours.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

## **FINE ARTS**

### *Visual Arts*

#### **Art I**

**Credit: 1.0**

**Prerequisite: None**

Art I is the foundation level for art study throughout high school. The course emphasizes the elements of art and principles of design, color theory, vocabulary, art criticism, art history, and safety in the art room with a strong foundation in design, drawing and vocabulary. This course fulfills the prerequisite for all Art 2 courses.

**SISD Course Number: 7102**

**Grades: 9-12**

#### **Art Appreciation I Dual Credit**

**Credit: 1.0**

**Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St.

Philip's College for the following course: [ARTS 1301: Art Appreciation](#)

This course presents an introduction to the exploration of purposes and processes in the visual arts, including evaluation of selected works. Included is the study of art history, including major artists and works.

**Note:** This is a one semester course.

**SISD Course Number: 0513**

**Grades: 9-12**

#### **Art II Drawing**

**Credit: 1.0**

**Prerequisite: Art I**

Students will express ideas through original artworks using a variety of drawing media. They will be able to apply design skills using practical applications. The students will study historical periods as well as critique art work.

**SISD Course Number: 7122**

**Grades: 9-12**

#### **Art II Sculpture**

**Credit: 1.0**

**Prerequisite: Art I**

Students will further develop skills that were introduced in Art I in relation to 3D media. Students will explore additive and subtractive processes using a variety of techniques and materials such as wire, plaster, clay, wood, and other media. Art appreciation is an integral part of this course.

**SISD Course Number: 7124**

**Grades: 9-12**

#### **Art II Ceramics**

**Credit: 1.0**

**Prerequisite: Art I**

Students will focus on planning, design, and clay construction techniques and procedures. Students will be able to apply design skills in creating both functional and mal-functional pieces.

**SISD Course Number: 7125**

**Grades: 9-12**

**Art III Drawing****Credit: 1.0****Prerequisite: Art II Drawing**

This course explores a variety of techniques and visual solutions dealing with drawing issues. Students will gain expertise in the handling of various drawing media as well as develop a mature sense of visual communication. The class is intended for those who wish to enter the AP program and pursue artistic course work in college.

**SISD Course Number: 7152****Grades: 10-12****Art III Sculpture****Credit: 1.0****Prerequisite: Art II Sculpture**

Students entering Sculpture 3 will advance and improve three-dimensional conceptual and building skills. Students will be expected to work independently while maturing under different and challenging project assignments. Plaster, clay, wood, and other materials will be used in the class. This class is intended for those who wish to enter the AP Studio Art class.

**SISD Course Number: 7154****Grades: 10-12****Art IV Drawing****Credit: 1.0****Prerequisite: Art III Drawing**

Students in Art 4 Drawing operate on a contract basis in which they select the projects they wish to pursue each six weeks period. Strong emphasis is placed on the student's creativity and ability to choose projects that challenge the student's talent.

**SISD Course Number: 7182****Grade: 11-12****Art IV Sculpture****Credit: 1.0****Prerequisite: Art III Sculpture**

Students in Art IV Sculpture operate on a contract basis in which they select the projects they wish to pursue each six weeks period. Strong emphasis is placed on the student's creativity and ability to choose projects that challenge the student's talent

**SISD Course Number: 7184****Grade: 11-12****Art History Advanced Placement (AP)****Credit: 1.0****Prerequisite: None**

This course will enable the high school student to enter college with a heightened appreciation for history and its art. The chief goal of this course is to increase understanding of key examples of architecture, sculpture, and paintings as historical documents. Students will develop skills necessary for recognizing and critically evaluating and comparing major art works.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**SISD Course Number: 7199****Grades: 10-12****Studio Art: Drawing Advanced Placement (AP)****Credit: 1.0****Recommended Prerequisite: Art II**

This course will enable the high school student to earn college credit through the submission of a portfolio of 24 pieces of artwork to the AP Board. Students can choose any approach to drawing issues, which include traditional drawing materials, painting, printmaking and mixed media.

**Note:** Students are required to submit an Advanced Placement portfolio in May and exam fees apply.

**SISD Course Number: 7189****Grades: 10-12**



**Studio Art: 2-D Design Advanced Placement (AP)****Credit: 1.0****Recommended Prerequisite: Art II**

Studio Art AP 2-D Design will enable the high school student to earn college credit through the submission of a portfolio of 24 pieces of artwork to the AP Board. Students can use any 2-D media such as graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, painting and printmaking.

**Note:** Students are required to submit an Advanced Placement portfolio in May and exam fees apply.

**SISD Course Number: 7186****Grades: 10-12****Studio Art: 3-D Design Advanced Placement (AP)****Credit: 1.0****Recommended Prerequisite: Art II**

Studio Art AP 3-D Design will enable the high school student to earn college credit through the submission of a portfolio of 20 pieces of artwork to the AP Board. Students can use any 3-D approach such as figurative or non-figurative sculpture, architectural models, metal work, ceramics, glasswork, installation, assemblage and 3-D fabric/ fiber arts.

**Note:** Students are required to submit an Advanced Placement portfolio in May and exam fees apply.

**SISD Course Number: 7187****Grades: 10-12***Theatre Arts***Theatre Arts I****Credit: 1.0****Prerequisite: None**

This elective course is an introduction to theatre that requires the expressive use of body and voice in interpreting and performing dramatic literature. Concepts and skills in areas of acting and theatre history will be emphasized. Specific topics include pantomime, stage movement, improvisation, monologue and duet acting performance, and evaluation of theatrical experiences.

**Note:** Performance of scenes and monologues is the main focus of this course as well as performance in a one-act play.

**SISD Course Number: 7203****Grades: 9-12****Advanced Theatre Arts II****Credit: 1.0****Prerequisite: Theatre Arts 1**

This Performance course further refines concepts and skills of acting. An integral part of this course is the performance of scenes and plays with costumes, make-up and scenery.

**SISD Course Number: 7204****Grades: 10-12****Advanced Theatre Arts III-IV****Credit: 1.0****Prerequisite: Audition and Theatre Arts II**

This performance course allows the actor to refine concepts and skills through public performance.

**Note:** Participation in at least one after-school performance per semester is required.

**SISD Course Number: 7205, 7206****Grades: 11-12**

**Theatre Production I-IV****Credit: 1.0****Prerequisite: Audition**

Theatre Production I-IV provides practical hands-on experiences in acting and stagecraft through the preparation and public performance of plays.

**Note:** Students must be in the company for each after-school production (three a year). Students are required to submit portfolios in conjunction with school productions. This course is appropriate for advanced students 9 - 12 that want to be involved in multiple public performances.

**SISD Course Number: 7215, 7216, 7217, 7218****Grades: 9-12****Musical Theatre I-III****Credit: 1.0****Prerequisite: Audition and Theatre Arts I**

This performance course is designed for 10-12 grade students interested in musical theatre. This class will develop each student's acting, dance, and vocal technique through the rehearsal and performance of musical theatre selections. Students will also gain directing experience as they choreograph and direct fellow students in their performance pieces. Students will perform for the public.

**SISD Course Number: 7212, 7213, 7214****Grades: 10-12****Technical Theatre I****Credit: 1.0****Prerequisite: Audition / Interview with Director**

This is an activities-centered course combining theories of theatre safety, design, research and stage craft with the construction of technical elements of theater including make-up, costumes, props, lighting and sound.

**Note:** Working at least on one after-school production per semester is required.

**SISD Course Number: 7207****Grade: 9-12****Advanced Technical Theatre II-IV****Credit: 1.0****Prerequisite: Audition and Technical Theatre I**

This course builds on the stagecraft skills and concepts developed in Technical Theatre I. Skills in designing sets will be stressed and applied for use in the three school productions. Recognition of career opportunities in theatre will be stressed.

**Note:** Working at least on one after-school production per semester is required.

**SISD Course Number: 7208, 7209, 7210****Grades: 10-12***Dance***Dance I-II****Credit: 1.0****Prerequisite: None**

Dance I-II provides an introduction to the terminology and general principles of dance. Students learn how to perform beginning and intermediate movements in a variety of dance styles. They will also study choreography and develop artistic judgment as well as self-discipline. Students will learn basic dance and kick movements, stretching techniques, and participate in individual and group routines and projects. There will be at least one required performance during the course. A dance class uniform may be required.

**Note:** This course is a fine arts course that also receives PE Substitution credit.

**SISD Course Number: 7007, 5301****Grades: 9-12**

**Ballet Folklórico I-II****Credit: 1.0****Prerequisite: None**

This is a performance class that studies the dances from different Mexican cultures, their histories, and their influences on society. This course earns fine arts credit by meeting the TEKS for Dance. The purchase of specific shoes and a class uniform may be required.

**Note:** This course is a fine arts course that also receives PE Substitution credit.

**SISD Course Number: 5110, 5111****Grades: 9-12****Dance Team Training****Credit: 1.0****Prerequisite: None**

Dance team training is specifically designed to prepare students for auditions for the dance team and teach fundamental dance techniques. Students will typically perform in the spring semester during the Starstepper Spring Showcase. Dance class uniform is required.

**Note:** This course is a fine arts course that also receives PE Substitution credit.

**SISD Course Number: 7009****Grades: 9-11****Dance Team I-IV****Credit: 1.0****Prerequisite: Audition**

The Dance Team performs at selected school functions and represents SHS in competition with other 5A schools. Members are selected by audition before a panel of judges. Parent permission and team fees between \$250 - \$500 are required.

**Note:** This course is a fine arts course that also receives PE Substitution credit.

**SISD Course Number: 5112, 5307, 5308, 5309****Grades: 9-12***Choral Music***Matador Varsity Choir I-IV****Credit: 1.0****Prerequisite: Audition in the Spring**

The Matador Varsity Choir is an auditioned, mixed ensemble comprised of students grades 9-12 with advanced music literacy, performance, and leadership skills. This group concentrates on the continued development of advanced music literacy, vocal production, and performance skills and participates in Fall/Winter/Pop Concerts, All-State/Region Choir, Solo and Ensemble Contest, UIL Concert and Sight Reading Evaluations, as well as community and school events. Music selections range from all musical time periods including Classical, Modern, and Pop. This course fulfills a Fine Art or Elective credit for graduation. A \$20 fee is assessed at the beginning of the school year to provide the informal uniform and additional supplies required for the class.

**SISD Course Number: 7303, 7304, 7305, 7306****Grades: 9-12****Non-Varsity Choir I-IV****Credit: 1.0****Prerequisite: Basic Musicianship Skills**

The Non-Varsity Choir is a treble ensemble comprised of students grades 9-12 with beginning music literacy, performance, and leadership skills. This group concentrates on the development of music literacy, vocal production, and performance skills and participates in Fall/Winter/Pop Concerts and UIL Concert and Sight Reading Evaluations, as well as community and school events. Music selections range from all musical time periods including Classical, Modern, and Pop. This course fulfills a Fine Art or Elective credit for graduation. A \$20 fee is assessed at the beginning of the school year to provide the informal uniform and additional supplies required for the class.

**SISD Course Number: 7381, 7382, 7384, 7385****Grades: 9-12**

**Treble Choir I-IV****SISD Course Number: 7307, 7308, 7309, 7335****Credit: 1.0****Grades: 9-12****Prerequisite: Audition in the Spring and recommendation from middle-school teacher**

The Varsity Treble Choir is an auditioned, soprano/alto ensemble comprised of students grades 9-12 with developing music literacy, performance, and leadership skills. This group concentrates on the continuation of music literacy, vocal production, and performance skills and participates in Fall/Winter/Pop Concerts, All-State/Region Choir, Solo and Ensemble Contest, UIL Concert and Sight Reading Evaluations, as well as community and school events. Music selections range from all musical time periods including Classical, Modern, and Pop. This course fulfills a Fine Art or Elective credit for graduation. A \$20 fee is assessed at the beginning of the school year to provide the informal uniform and additional supplies required for the class.

**Tenor/Bass Choir I-IV****SISD Course Number: 7300, 7389, 7329, 7330****Credit: 1.0****Grades: 9-12****Prerequisite: Basic Musicianship Skills and recommendation from middle-school teacher**

The Tenor/Bass Choir is an ensemble for Tenor and Bass singers grades 9-12 with developing music literacy, performance, and leadership skills. This group concentrates on music literacy, vocal production, and performance skills and participates in Fall/Winter/Pop Concerts, All-State/Region Choir, Solo and Ensemble Contest, UIL Concert and Sight Reading Evaluations, as well as community and school events. Music selections range from all musical time periods including Classical, Modern, and Pop. This course fulfills a Fine Art or Elective credit for graduation. A \$20 fee is assessed at the beginning of the school year to provide the informal uniform and additional supplies required for the class

*General Music***Music Appreciation (Dual Credit)****SISD Course Number: 7317****Credit: 1.0****Grades: 9-12****Prerequisite: Must meet TSI requirements**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St. Philip's College for the following course: MUSI 1306: Music Appreciation - Understanding music through the study of cultural periods, major composers, and musical elements. This course is supported with audio recordings and live performances.

**Note:** This is a one semester course.**Music Theory Advanced Placement (AP)****SISD Course Number: 7301****Credit: 1.0****Grades: 10-12****Prerequisite: Prior music experience and Interview**

This course is an advanced theory class that studies the foundations of how music is constructed and created.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees may apply.**Music Composition I and II****SISD Course Number: 7224, 7225****Credit: 1.0****Grades: 9-12****Prerequisite: Some music experience**

This class explores the creative process of writing music by developing basic tools that composers use to construct music. The students will create, perform, critique, discuss and revise their own and others' work in a supportive, constructive environment.

## *Instrumental Music*

### **Wind Ensemble I-IV**

**Credit: 1.0**

**Prerequisite: Audition**

The Wind Ensemble is the most advanced band at Seguin High School. The class consists primarily of upperclassmen. Advanced fundamentals and advanced levels of high school music are the focus of the class. Students are placed in this band through audition and director recommendation. Activities include marching band, parades, concerts, solos and ensembles, region band auditions, marching and concert contests, and various community performances.

**Note:** This is a fine arts course that also provides 0.5 PE Substitution credit for marching band.

**SISD Course Number: 7341, 7342, 7343, 7344**

**Grades: 9-12**

### **Wind Symphony I-IV**

**Credit: 1.0**

**Prerequisite: Audition**

The Wind Symphony is the second most advanced band at Seguin High School. The class consists of students from all grade levels and focuses on advanced fundamentals and a wide variety of music. Students are placed in this band through audition and director recommendation. Activities include marching band, parades, concert, solos and ensembles, region band auditions, marching and concert contests, and community performances.

**Note:** This is a fine arts course that also provides 0.5 PE Substitution credit for marching band

**SISD Course Number: 7331, 7332, 7333, 7334**

**Grades: 9-12**

### **Symphonic Band I-IV**

**Credit: 1.0**

**Prerequisite: Audition**

The Symphonic Band is the third most advanced band at Seguin High School. The class consists of students from all grade levels and focuses on fundamental skills and a variety of music. Students are placed in this band through audition and/or director recommendation. Activities include marching band, parades, concert, solos and ensemble, marching and concert contests, and community performances.

**Note:** This is a fine arts course that also provides 0.5 PE Substitution credit for marching band.

**SISD Course Number: 7312, 7322, 7323, 7324**

**Grades: 9-12**

### **Concert Band I-IV**

**Credit: 1.0**

**Prerequisite: Audition**

The Concert Band is the entry level band at Seguin High School. The class consists of students from all grade levels and focuses on fundamental skills and a variety of music. Students are placed in this band through audition and/or director recommendation. Activities may include marching band, parades, concert, solos and ensemble, marching and concert contests, and community performances.

**Note:** This is a fine arts course that also provides 0.5 PE Substitution credit for marching band.

**SISD Course Number: 7390, 7391, 7392, 7393**

**Grades: 9-12**

**Instrumental Ensemble I-IV****SISD Course Number: 7311, 7325, 7313, 7326****Credit: 1.0****Grades: 9-12****Prerequisite: Audition, Concurrent enrollment in a performance band class**

The Instrumental Ensemble course is designed for more in-depth study of instrumental music performance. The course offers individualized and differentiated instruction to students seeking extra music instruction beyond the band class. The course utilizes instrumental method books, band class selections, TMEA All-State Band audition music, and UIL Solo and Ensemble repertoire as the basis for individualized instruction.

**Percussion I-IV****SISD Course Number: 7351, 7352, 7353, 7354****Credit: 1.0****Grades: 9-12****Prerequisite: Audition**

All band students who play percussion must enroll in this class. Fundamental skills and a wide variety of music are the focus of this class. Activities include marching band, parades, concert, solos and ensembles, region band auditions, marching and concert contests, percussion ensemble, and community performances.

**Note:** This is a fine arts course that also provides 0.5 PE Substitution credit for marching band.

**Jazz Ensemble I****SISD Course Number: 7314****Credit: 1.0****Grades: 9-12****Prerequisite: Limited to students concurrently enrolled in a traditional concert band course. Placement by audition.**

Students engage in the performance of jazz music including swing, rock, latin, and bop. Also includes the study of the musical elements of jazz and improvisation. Instrumentation includes: Saxophone, Trumpet, Trombone, and Rhythm Section (Drum Set, Bass Guitar, Guitar, and Piano).

**Color Guard I-IV****SISD Course Number: 7405, 7406, 7407, 7408****Credit: 1.0****Grades: 9-12****Prerequisite: Audition**

This class is designed for all students who are members of the Seguin High School Color Guard. Students are placed in the guard through an audition held in the spring. The SHS Color Guard is an integral part of the Seguin High School Matador Band and is an expression of music through dance and guard equipment (flags, rifles, sabres). The guard continues in the spring semester as a competitive unit called Winter Guard, allowing the students to develop their skills throughout the spring semester. Dance skills are taught from a basic level to advanced skills focusing on modern dance and ballet. Attendance at all marching band and Winter Guard performances is required.

**Note:** This is a fine arts course that also provides PE Substitution credit.

**Mariachi Band I-IV****SISD Course Number: 7420, 7421, 7422, 7423****Credit: 1.0****Grades: 9-12****Prerequisite: Audition for director**

This course is designed for those interested in continued study of learning and playing the folk music of Mexico. Students will study mariachi music through instrumental and vocal performance. Students who are instrumentalists must provide an instrument (guitar or violin) for refining instrumental performance skills. This is not a beginner mariachi class and previous experience is required.

**Beginning Guitar I****Credit: 1.0****Prerequisite: None**

Guitar class is open to all students. Students will learn beginning acoustic guitar techniques, strumming and melodic playing techniques, as well as reading music and tablature. Note: Students must provide their own acoustic guitar to practice on in class and at home. Students will also be required to purchase the beginning guitar book which they will keep. Students must be willing/able to work in a large group setting and perform in public. The beginning guitar student will need to practice 20-40 minutes daily to achieve success.

**SISD Course Number: 7321****Grades: 9-12****Piano I****Credit: 1.0****Prerequisite: None**

The Piano I course focuses on the development of music reading, theory, and beginning piano skills to students in grades 9-12 with an interest in individual performing arts. Students in Piano I are required to perform in a piano recital each semester both alone and in groups for the public. This class fulfills a Fine Arts or Elective credit for graduation.

**SISD Course Number: 7430****Grades 9-12**

## **CAREER AND TECHNICAL EDUCATION (CTE)**

### **Introductory Level Courses**

The courses listed below offer a survey of the field or industry that relates to multiple CTE programs and serve as a preview of the material to come in later courses. These courses will focus on workplace skills, career survey education, and post-secondary readiness.

#### **Principles of Applied Engineering**

**Credit: 1.0**

**Prerequisite: None**

This course provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects.

**SISD Course Number: 81568**

**Grades: 9-12**

#### **Computer Science Principles**

##### **Advanced Placement (AP)**

**Credit: 1.0**

**Prerequisite: None**

In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.

**SISD Course Number: 2123**

**Grades: 9-12**

#### **Computer Science I**

**Credit: 1.0**

**Prerequisite: Algebra 1**

This is an introductory course in the concepts and skills of computer science and computer programming. Students will use problem-solving strategies to design solutions to stated problems, break down the solutions into tasks, write programming code to perform the tasks, and test and debug the created code. Students will also explore computer hardware and computer ethics, including current laws and regulations and responsible digital citizenships.

**SISD Course Number: 7603**

**Grades: 9-11**

#### **Principles of Agriculture, Food, and**

##### **Natural Resources**

**Credit: 1.0**

**Prerequisite: None**

This hands-on interactive introductory course provides students with opportunities to learn basic knowledge and skills in many facets of the Texas Agriculture Industry: plant production, swine, cattle, sheep, goats, poultry and Agriculture Mechanics. Additionally, students will learn about the FFA Organization and opportunities for supervised agriculture work experiences.

**SISD Course Number: 80101**

**Grades: 9-12**



**Ag Mechanics & Metal Technologies****Credit: 1.0****Prerequisite: None**

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques (Welding).

**SISD Course Number: 80116****Grades: 9 -12****Business Information Management I****Credit: 1.0****Prerequisite: None**

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

**SISD Course Number: 80424****Grades: 9-12****Principles of Arts, A/V, and Technology****Credit: 1.0****Prerequisite: None**

Careers in the Arts, Audio/Video Technology, and Communications require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this Program and the knowledge, skills, and educational requirements for those opportunities. The journalistic focus of the course prepares students for continued involvement in media, producing the Matcast, newspaper, or yearbook.

**SISD Course Number: 81180****Grades: 9-12****Principles of Law, Public Safety, Corrections and Security****Credit: 1.0****Prerequisite: None**

Principles of Law, Public Safety, Corrections and Security is the introductory course in the Criminal Justice/Law Enforcement sequence. It introduces students to the professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of law enforcement agencies, the court systems, and the correctional systems. The student will acquire the basic introductory skills necessary for a possible career in law enforcement, public safety, corrections or the private security industry.

**SISD Course Number: 81201****Grades: 9-12****Principles of Health Science****Credit: 1.0****Prerequisite: None**

This course is designed to provide an opportunity for understanding the concepts and skills necessary for entering the healthcare field. Essential elements included in this course are current events in health care, medical terminology, anatomy and physiology, human growth and development, CPR, first aid, basic concepts of illness and wellness, medical communications skills, and interpersonal relationships.

**SISD Course Number: 80801****Grades: 9-12**

**Principles of Cosmetology Design and Color Theory****SISD Course Number: 81020****Credit: 1.0****Grades: 9****Prerequisite: None**

Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care. The Cosmetology program meets the Texas Department of Licensing and Regulation requirements for licensure upon completion of 1000 clock hours of instruction and passing the state examination. **NOTE:** Students are required to register with the TDLR.

**Principles of Construction****SISD Course Number: 80200****Credit: 1.0****Grades: 9-12****Prerequisite: None**

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. **Cannot be taken with or after taking Introduction to Welding.**

**Principles of Education and Training****SISD Course Number: 80501****Credit: 1.0****Grades: 9-12****Prerequisite: None**

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

**Science, Technology, Engineering, and Math (STEM) Program****Engineering Design and Presentation 1****SISD Course Number: 81333****Credit: 1.0****Grades: 10-11****Prerequisite: Principles of Applied Engineering**

Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

**Engineering Design and Problem Solving****Credit: 1.0****SISD Course Number: 81534****Grades: 11-12****Prerequisite: Engineering Design and Presentation Algebra I and Geometry**

The Engineering Design and Problem-Solving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course.

**Practicum in STEM****Credit: 2.0****SISD Course Number: 81536****Grade: 12****Prerequisite: Robotics 2**

The Practicum in STEM course is a capstone course designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

**Agriculture Program****Livestock Production****Credit: 1.0****SISD Course Number: 80111****Grades: 10-12****Prerequisite: Principles of Agriculture, Food, and Natural Resources**

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

**Wildlife, Fisheries, and Ecology Management****Credit: 1.0****SISD Course Number: 80115****Grades: 10-12****Prerequisite: Principles of Agriculture, Food, and Natural Resources**

This course prepares students for careers in natural resource systems. This course examines the management of game and nongame wildlife species, fish, and aqua-crops and their ecological needs as related to current agricultural practices. This course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources wisely. The student will study the scientific basis for wildlife management, game and nongame species, management of wildlife populations, diseases impacting plants and animals, interrelationships between various aspects of wildlife and outdoor public use, laws and regulations regarding the use of wildlife resources, landowner and property rights, security issues, legal issues, apply cartographic skills to natural resource activities, monitor natural resource status, and other related topics.

**Floral Design****Credit: 1.0****SISD Course Number: 80119****Grades: 10-12****Prerequisite: Principles of Agriculture, Food, and Natural Resources**

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

**Range Ecology and Management****Credit: 1.0****SISD Course Number: 80109****Grades: 11-12****Prerequisite: Wildlife, Fisheries, and Ecology Management**

Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production.

**Advanced Floral Design****Credit: 1.0****SISD Course Number: 80120****Grades: 11-12****Prerequisite: Floral Design**

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event.

**Advanced Animal Science****Credit: 1.0****SISD Course Number: 80132****Grade: 11-12****Prerequisite: Principles in Agriculture, Food and Natural Resources, Equine Science/ Small Animal Management ; 90% attendance for previous year; credit for Biology and Chemistry or concurrent enrollment in Chemistry**

Advanced Animal Science provides opportunities for students to develop knowledge and skills pertaining to production, harvesting, and marketing of livestock. Students will apply scientific principles, scientific inquiry, science and social ethics, safe laboratory practices, scientific methods and equipment used during field and laboratory investigations; use critical thinking, scientific reasoning and problem solving; apply principles of molecular genetics and heredity, examine and compare animal anatomy and physiology in livestock species; Identify nutritional requirements of ruminant and non-ruminant animals; evaluate animal diseases and parasites, and other related topics. Study of study of related careers and employability characteristics of successful employees is also included.

**Veterinary Medical Applications****SISD Course Number: 80122****Credit: 1.0****Grade: 11-12****Prerequisite: Advanced Animal Science, Biology, Chemistry; 90% attendance previous year**

Veterinary Medical Applications provides instruction in veterinary practices as they relate to both large and small animal species. This includes knowledge and skills in ethics of veterinary medicine, veterinary hospital management and marketing, medical terminology, anatomical structures and body systems, medical terms related to diagnosis, pathology and treatment of animals, identification of parasites, animal identification, characteristics, and behavioral temperament, mathematical calculations used in veterinary medicine, procedures for clinical examination and diagnosis, care, use and maintenance of equipment and instruments found in a veterinary clinic, and other related topics. Students will also investigate related veterinary careers and study employability characteristics of a successful employee.

**Ag Structures Design and Fabrication****SISD Course Number: 80127****Credit: 2.0****Grades: 10 -12****Prerequisite: Ag Mech & Metal Technologies**

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

**Ag Equipment Design and Fabrication****SISD Course Number: 80126****Credit: 2.0****Grades: 11 -12****Prerequisite: Ag Structures Design and Fabrication**

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication.

**Practicum in Agriculture, Food, and  
Natural Resources****SISD Course Number: 80141****Credit: 2.0****Grade: 12****Prerequisite: Veterinary Medical Applications; 90% attendance for previous year.**

The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. A research project is required. This course is recommended for students in Grade 12. The practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Program.

## **Arts, Audio Video Technology, and Communications Program**

### **Audio Video Production I**

**Credit: 1.0**

**Prerequisite: Principles of Arts, A/V, and Technology**

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production of audio and video products. Students will be expected to create original short works or film projects. This course may provide training for a locally-approved work opportunity, The Seguin ISD Matador Stadium Video Board. Students will be able to utilize course knowledge and practical skills on the State's largest LED Video Board here in Seguin, TX. Students will also learn production videography and photography as well as the live production skills necessary for MatCast video broadcast.

**SISD Course Number: 81194**

**Grades: 9-11**

### **Graphic Design and Illustration 1**

**Credit: 1.0**

**Prerequisite: Principles of Arts, A/V, and Technology**

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students will utilize software programs, such as Adobe Illustrator to create digital vector files for purposes of publication and promotion. All aspects of the design cycle will be studied to produce works of digital creation.

**SISD Course Number: 81193**

**Grades: 9-11**

### **Animation 1**

**Credit: 1.0**

**Prerequisite: Principles of Arts, A/V, and Technology**

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

**SISD Course Number: 80324**

**Grades: 9-11**

### **Digital Media**

**Credit: 1.0**

**Prerequisite: Principles of Arts, A/V, and Technology**

Digital and Interactive Multimedia is a survey of the theories, elements, and hardware/ software components of multimedia. Topics include digital image editing, digital sound and video editing, animation, and interactive presentations. Emphasis is on conceptualizing and producing effective multimedia presentations. Software used in the course is the Adobe Creative Suite of media products.

**SISD Course Number: 81113**

**Grades: 9-11**

**Audio Video Production II****Credit: 2.0****SISD Course Number: 81196****Grades: 11-12****Prerequisite: Audio Video Production I**

Students will continue to expand upon their knowledge and skills of the video production courses through demonstrated performance in executing course tasks and through the creation of digital portfolio productions. Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products. Students will have opportunities for necessary time devoted specifically to the production and post-production process of deeper and higher quality productions. This course may provide training for a locally-approved work opportunity, The Seguin ISD Matador Stadium Video Board. Students will be able to utilize course knowledge and practical skills on the State's largest LED Video Board here in Seguin, TX. Students will also learn production videography and photography as well as the live production skills necessary for MatCast video broadcast.

**Graphic Design and Illustration 2****Credit: 1.0****SISD Course Number: 81195****Grades: 11-12****Prerequisite: Graphic Design and Illustration 1**

Students will continue to expand upon their knowledge and skills of the graphic design and illustration courses through demonstrated performance in executing course tasks and through the creation of digital portfolio productions. Students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

**Animation II****Credit: 1.0****SISD Course Number: 80325****Grades: 11-12****Prerequisite: Animation I**

In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

**Game Programming and Design****Credit: 1.0****SISD Course Number: 81572****Grades: 11-12****Prerequisite: Digital Media**

Students will collaborate with one another, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will create a computer game that is presented to an evaluation panel.

**Practicum in Audio Video Production****SISD Course Number: 81189****Credit: 2.0****Grade: 12****Prerequisite: Audio/Video Production II**

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instructions may be delivered through lab-based classroom experiences or career preparation opportunities.

**Practicum in Graphic Design and Illustration****SISD Course Number: 81186****Credit: 2.0****Grade: 12****Prerequisite: Graphic Design and Illustration II**

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction will be delivered through lab-based classroom experiences as the students refine skills developed in previous courses and take leadership roles as editors of the school yearbook.

**Practicum in Animation****SISD Course Number: 80325****Credit: 2.0****Grade: 12****Prerequisite: Animation II or Game Programming and Design**

Building upon the concepts taught in Animation II and its corequisite Animation II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

**Business, Marketing, and Finance Program****Human Resources Management****SISD Course Number: 80403****Credit: 0.5****Grades: 10-11****Recommended Prerequisite: Principles of Business, Marketing and Finance**

Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

**Note:** This is a one semester course.



**Virtual Business****Credit: 0.5****SISD Course Number: 80427****Grades: 10-11****Recommended Prerequisite: Principles of Business, Marketing and Finance**

Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business.

**Note:** This is a one semester course.

**Business Management****Credit: 1.0****SISD Course Number: 80428****Grades: 10-11****Prerequisite: Human Resource Management/Virtual Business**

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills. Students are encouraged to participate in extended learning experiences such as the Business Professionals of America (BPA) and other leadership or extracurricular organizations.

**General Employability Skills****Credit: 1.0****SISD Course Number: TBD****Grades: 9-10****Prerequisite: None**

This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace. **This course requires prior approval before enrolling.**

**Practicum in Business Management****Credit: 2.0****SISD Course Number: 80443****Grade: 12****Prerequisite: A minimum of one credit from the courses in the Business, Marketing, and Finance Program of Study**

The practicum is designed to give students supervised practical application of previously studied knowledge and skills in a variety of locations appropriate to the nature and level of experience. In this course, students will use personal and interpersonal skills to strengthen performance in the workplace. They will also apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

## **Construction Trades Program**

### **Construction Management I**

**Credit: 2.0**

**SISD Course Number: 80213**

**Grades: 10**

**Prerequisite: Principles of Construction, NCCER Core Curriculum certification**

In Construction Management I, students will gain knowledge and skills needed to enter the workforce as apprentice carpenters or building maintenance supervisors' assistants or to build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management I include the knowledge of design techniques and tools related to the management of architectural and engineering projects.

### **Construction Management II**

**Credit: 2.0**

**SISD Course Number: 80216**

**Grades: 11**

**Prerequisite: Construction Management I**

In Construction Management II, students will gain knowledge and skills needed to enter the workforce as apprentice carpenters or building maintenance supervisors' assistants or to build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management II includes knowledge of the design, techniques, and tools related to the management of architectural and engineering projects.

### **Practicum in Construction Management**

**Credit: 2.0**

**SISD Course Number: 80243**

**Grade: 12**

**Prerequisite: Construction Management II**

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

## **Information Technology Program**

### **Networking**

**Credit: 1.0**

**SISD Course Number: 81121**

**Grades: 11-12**

**Prerequisite: Algebra 1, Computer Science 1**

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

### **Computer Science 2**

**Credit: 1.0**

**SISD Course Number: 2152**

**Grades: 10-12**

**Prerequisite: Computer Science 1**

Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

**Computer Science 3****Credit: 1.0****Prerequisite: Computer Science 2**

Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect.

**SISD Course Number: 2153****Grades: 11-12****Computer Science A Advanced Placement (AP)****Credit: 2.0 (Math & LOTE) \*one hour class****Prerequisite: Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as  $f(x) = x + 2$  and  $f(x) = g(h(x))$ .****Recommended Prerequisite: Computer Science Principles**

Students will use the Java programming language to solve problems from a variety of different subject areas. Students will also learn the basics of computer hardware and software, as well as responsible use of these systems. Due to the extensive use of computers that is required, students will need to have access to a computer outside of regular school hours.

**Note:** Students are required to take the Advanced Placement exam in May and exam fees apply.**SISD Course Number: 2122****Grades: 10-12****Practicum in Information Technology****Credit: 2.0****Prerequisite: A minimum of two credits from the courses in the Information Technology Program of Study**

In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.

**SISD Course Number: TBD****Grade: 12****Cosmetology Program****Introduction to Cosmetology****Credit: 1.0****Prerequisite: Principles of Cosmetology Design and Color Theory**

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students will earn hours toward state licensing requirements.

**SISD Course Number: 81016****Grades: 10**

**Cosmetology 1****SISD Course Number: 81023****Credit: 2.0****Grades: 11**

**Prerequisite: Parent permission; parent and student attendance at the informational meeting is required; Students must pay a fee deposit of \$100 by June 1, and the remaining first year fees of \$350 by the first day of school. Fees are paid to the Cosmetology Instructor.**

Academic as well as career and technical knowledge and skills are integrated in this laboratory-based course designed to provide job-specific training for employment in cosmetology careers. The course is a mix of classroom instruction and lab-based activities. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care. Analysis of career opportunities, requirements, employer and job expectations, and development of workplace skills are also addressed in the course. Cosmetology is a planned 1000-clock hour course that meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students are required to purchase a kit and lab jacket, etc.

**Note:** Course Fees of \$450 to cover the cost of the Cosmetology kit and lab jacket. No refund is given after items have been ordered. In order to meet the requirement of 1000-clocked hours, students will have the opportunity to participate in Salon Night and other events outside of the school day.

**Cosmetology 2 with Lab****SISD Course Number: 81032****Credit: 2.0****Grades: 12**

**Prerequisite: Cosmetology 1; Parent permission; Second year fees of \$120 are due by the first day of school. Fees are paid to the Cosmetology Instructor.**

In Cosmetology 2 students review extended academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills in a variety of settings and problems. This course prepares students for the cosmetology operators licensing exam for the state. Students are required by the state to have a high school diploma in order to receive a Cosmetology License.

**Note:** Course Fees are \$120 for the second year of the program. No refund is given after items have been ordered. In order to meet the requirement of 1000-clocked hours, students will have the opportunity to participate in Salon Night and other events outside of the school day.

**Education and Training Program****Communication and Technology in Education****SISD Course Number: 81130****Credit: 1.0****Grades: 10-12**

**Prerequisite: Principles of Education & Training (recommended)**

Communication and Technology in Education is designed to provide students with the fundamentals of planning, managing and training services needed to provide learning support services in K-12 classrooms. Students will develop knowledge and skills regarding the professional, ethical, and legal responsibilities in teaching related to educational technology; as well as, understand laws and pedagogical justifications regarding classroom technology use.

**Instructional Practices in Education and Training****Credit: 2.0****SISD Course Number: 80521****Grades: 11-12****Prerequisite: Human Growth and Development**

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of instructional strategies and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Transportation to education sites provided.

**Practicum In Education and Training****Credit: 2.0****SISD Course Number: 80562****Grade: 12****Prerequisite: Instructional Practices in Education and Training**

This is a field-based internship practicum that provides students with background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course will work closely with veteran educators modeling instructional best practices. The teaching roles and assignments of these exemplary educators will vary from elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Transportation to educational sites provided.

**Law Enforcement Program****Law Enforcement 1****Credit: 1.0****SISD Course Number: 81211****Grades: 10-11****Prerequisite: Principles of Law, Public Safety, Corrections and Security**

Law Enforcement 1 is an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. The student will explore how constitutional law affects law enforcement procedure, functions, and daily patrol procedures. The student will be exposed to law enforcement terminology, the classifications of criminal behaviors, the theories of criminal behaviors, and the processing of a crime scene.

**Law Enforcement 2****Credit: 1.0****SISD Course Number: 81221****Grades: 11-12****Prerequisite: Law Enforcement 1**

This course offers students opportunities to further prepare for a career in law enforcement. Students will learn how to use telecommunications equipment, testify in courtroom proceedings, manage crisis situations, handle domestic violence cases, implement crowd management strategies, protect against terroristic threats, interview and interrogate individuals ensuring the protection of their constitutional rights, process various crime scenes, demonstrate the use of force with the application of various restraints, process someone in custody, and be able to explain the education and training needed for a career in law enforcement and the state mandate to continue getting more education as technologies emerge in this field.

**Forensic Science****Credit: 1.0****Prerequisite: Biology, Chemistry**

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis.

**SISD Course Number: 81223****Grades: 10-12****Criminal Investigations****Credit: 1.0****Prerequisite: Principles of Law, Public Safety, Corrections and Security**

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

**SISD Course Number: 81222****Grades: 10****Health Science Program****Medical Terminology****Credit: 1.0****Prerequisite: None**

Medical Terminology is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations, and by relating terms to body systems. Students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

**SISD Course Number: 80812****Grades: 9-10****Medical Terminology (PTECH)****Credit: 1.0****Prerequisite: Students must take all portions of the TSIA and be enrolled in the P-TECH Academy.**

Students enrolled in this course are dually enrolled at Northwest Vista College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 college credit hours for the following courses:

**SISD Course Number: 8081DC****Grades: 9-12**

**HITT 1305 - Medical Terminology I:** Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties. Students will develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations, and by relating terms to body systems. Students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

**Health Science Theory****Credit: 1.0****SISD Course Number: 80811****Grades: 10-11****Prerequisite: Medical Terminology**

Health Science Theory is designed to provide development of advanced knowledge and skills related to a wide variety of health careers. Students will apply academic skills with hands-on experience, implement the knowledge and skills of a health science professional in the clinical setting, evaluate ethical behavioral standards and legal responsibilities, assess wellness strategies for the prevention of disease and other related topics. Entry-level skills will be developed for taking vital signs, using medical terminology, providing CPR and other skills needed to work in the healthcare field.

**Pharmacology****Credit: 1.0****SISD Course Number: 80813****Grades: 10-11****Prerequisite: Health Science Theory**

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care.

**Practicum in Health Science:****SISD Course Number: 80842****Certified Nursing Assistant (CNA)****Grades: 12 Credit: 2.0**

**Prerequisite: Health Science; must pass a criminal background check; must complete an application for CNA; must have at least 90% attendance for the previous year.**

**Other Requirements:**

- **Must attend a student/parent meeting prior to the beginning of school and an evening meeting in April.**
- **Must submit completed application for the Certified Nurse Assistant Program by May 1**
- **Must pass a TB skin test and provide results to SHS CTE office by August 1 of the school year**
- **Must have a flu shot**
- **Must purchase set of scrubs by October 1; color TBD by instructor**

The Certified Nurse Assistant course is designed for the student interested in a nursing or health career. The course goal is for the student to become a Certified Nurse Assistant (CNA) and to pass the state licensing exams for both CNA and Phlebotomy Technician. The program is a combination of classroom, laboratory, and clinical learning that will introduce the student to all facets of the Nurse Assistant field. Content of the course includes the role and function of the CNA, phlebotomy, anatomy and physiology, and basic patient care skills. Course instruction prepares students to qualify for the Texas Nurse Aide Competency Evaluation Exam for certification.

**Practicum in Health Science:****SISD Course Number: 80843****Pharmacy Tech****Grade: 12****Credit: 2.0**

**Prerequisite: Health Science; must pass a criminal background check/fingerprinting check; have at least 90% attendance for the previous year**

**Other Requirements:**

- **Must attend a parent meeting prior to the beginning of school**
- **Must submit application for Pharmacy Tech by May 1**
- **Must purchase a set of scrubs to wear in internship by Nov. 1; color TBD by the instructor**
- **Must have a flu shot**
- **Course Fees:**

- **Registration fee with the State Board of Pharmacy as Trainee \$53 –Must be paid to SHS by June 1.**
- **Fingerprinting and background check \$45 – must be completed by Aug.1; records must be brought to the CTE office and be on file by Aug. 1.**
- **Pharmacy Technician Certification Board Exam \$129 must be paid to SHS by Feb. 1 (If the student passes the Sterile Products Exam, the school will pay for the Pharmacy Technician Certification Board Exam)**

Pharmacy Tech is an occupationally specific course designed to prepare students to enter the pharmacy field and take the state Pharmacy Technician Certification Board's PTCB exam. Technicians work in hospitals, community pharmacies and other health care settings under the supervision of a registered pharmacist.

Course content includes medical terminology specific to pharmacy, reading and interpreting prescriptions and defining drugs by generic and brand names. Students will learn dosage, calculations, IV flow rates, drug compounding, dose conversions, medication, preparation for dispensing, preparing unit dose medications, inventory control and billing.



## **ADDITIONAL COURSES**

**Student Aide: First Semester/Second Semester**

**SISD Course Number: 0652/0654**

**Credit: 0.5**

**Grade: 12**

**Prerequisite: Counselor and/or administrator approval**

Students with passing grades and/or excess credits for graduation who have no disciplinary infractions may apply to serve as a student aide in the school office, attendance office, or library. This course provides life experiences as students learn to be prompt, dependable and efficient. Students will receive training in communication skills, time management, and organizational skills.

**Note:** This is a local credit course that is not averaged into GPA or class ranking. Any student who has not earned College, Career, or Military Readiness indicator will not receive approval for this course.

**Senior Release: First Semester/Second Semester**

**SISD Course Number: 0660A/0660B**

**Credit: N/A**

**Grade: 12**

Senior Release is available for Seniors who have earned at least 20 credits towards graduation and have passed the 5 required STAAR EOC exams.

**Note:** Campus administration approval AND parent permission is required. Please see a campus counselor for the required paperwork to submit for approval. Any student who has not earned College, Career, or Military Readiness indicator will not receive approval for this course.

**College Transition**

**SISD Course Number: 0771**

**Credit: 1.0**

**Grades: 11-12**

**Recommended Prerequisite: Students preparing to take the ACT and/or SAT**

College Transition is designed to equip students with the knowledge, skills, and abilities necessary to be active and successful learners, both in high school and in college. Students examine numerous research based learning strategies that are proven to lead to academic success such as goal setting, effective time management, handling stress, note taking, active reading, test-taking strategies, and conducting research. In the College Transition course, students will research financial scholarships and grant opportunities, complete applications, and explore technical schools, colleges, and universities. With the increased emphasis on career and college readiness and post-secondary education, students need a course that will provide opportunities to meet these post-secondary opportunities in grades 9-12.

**Advancement Via Individual Determination**

**SISD Course Number: 81751, 81752, 81753, 81754**

**(AVID) I-IV**

**Grades: 9-12**

**Credit: 1.0**

AVID is a series of academic, regularly scheduled elective classes that focus on learning, inquiry, and collaboration. The three main components of the AVID program are academic instruction (AVID curriculum), tutorial support and motivational activities. The mission of AVID is to close the achievement gap by preparing all students for college readiness and success in a global society. AVID's systematic approach is designed to support students and educators as they increase schoolwide/districtwide learning and performance.

**Note:** All Associate Degree Pathway students are enrolled in AVID classes, however this class is open to all interested students.

**Methodology for Academic and Personal  
Success (MAPS) Dual Credit**

**Credit: 0.5**

**Prerequisite: Must meet TSI requirements; ECHS students only.**

Students enrolled in this course are dually enrolled at St. Philip's College upon completion of the required college paperwork. Students who successfully complete this course will receive 3 credit hours from St.

Philip's College for the following course:

EDUC 1300: Learning Framework: This courses focus on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals. Overall, the course provides a study of the research and theory in the psychology of learning, cognition, and motivation; the factors that impact learning and application of learning strategies.

**SISD Course Number: 4121**

**Grades: 10-12**

**Academic Skills I-IV**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment**

This course is designed to provide direct instruction to students daily in the areas of academic preparation, organization, note taking, and test taking as well as have time to complete academic assignments.

**SISD Course Number: 9990, 9991, 9992, 9993**

**Grades: 9-12**

**Activities of Daily Living I-IV**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment**

This course is designed to provide instruction to students in real time as need arises in the areas of basic hygiene, grooming, cooking skills, household living, household cleaning, self-help skills, etc., in the classroom as well as in the community. There is no formal outline or syllabus.

**SISD Course Number: 9388, 9389, 9390, 9391**

**Grades: 9-12**

**Occupational Preparation I-IV**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment**

Job skills needed for employability are taught in the classroom and on the job training sites, including administrative skills, secretarial skills, food service, retail and child care.

**SISD Course Number: 9387, 9392, 9393, 9394**

**Grades: 9-12**

**Recreation and Leisure I-IV**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment**

This course is designed to provide instruction to students in the areas of lifelong recreational skills and activities including art, painting, crafts, exercising and recreational games (indoors and outdoors).

**SISD Course Number: 9994, 9995, 9996, 9997**

**Grades: 9-12**

**Vocational Experience I-IV**

**Credit: 1.0**

**Prerequisite: Committee approval required for enrollment**

This course is designed to provide instruction to students in employment skills while exploring realistic vocational goals. Students will receive direct instruction on campus and support at places of employment to improve employability.

**SISD Course Number: 9340,9341, 9342, 9343**

**Grades: 9-12**

**18+ Transition I-IV**

**Credit: 1.0**

**SISD Course Number: 9344, 9345, 9346, 9347**

**Grades: 9-12**

**Prerequisite: Committee approval required for enrollment**

This course is designed to provide instruction to students in real time as situation and needs arise personally and in the community in the areas of employment, vocational training, continuing and adult education, access to adult services, independent living, community participation and social/recreation/leisure, and other important life considerations that address student interest, preferences and needs for this ages 18-21 population.