

Stratford High School



Electives Booklet
2016 -2017



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This book is a supplement to the SBISD High School Program of Studies. Please refer to the Program of Studies for more detailed information regarding graduation plans and typical course of study options.

ENGLISH LANGUAGE ARTS ELECTIVES

Broadcast Journalism **EL312** one credit
Prerequisites: none Grade level: 10-12

The purpose of this course is to provide opportunities for students to develop introductory skills in television production. They will be taught media skills, verbal skills, and teamwork. The content will include an OVERVIEW of television; the HISTORY of mass communications with a special emphasis on media literacy; television CAREERS; an orientation to WRITING for television compared to other media; and learning EQUIPMENT such as camera, video recorder, mixer, lighting, and character generator. Students will also produce videos to be used during the announcements.

Contact: Mr. Holmes room 120

Broadcast Journalism II, III **II-EL313, III-EL314** one credit
Prerequisites: Broadcast Journalism I Grades: 11-12

The purpose of this course is to provide the student with quality academic instruction in television production by building on what was learned in Broadcast Journalism I class. They will receive further training in equipment operation, reporting, and scriptwriting, as well as planning, directing, and producing video projects that include the school news program.

Contact: Mr. Holmes room 120

Communication Applications **ELA512** half credit
Prerequisites: None Grade levels: 9 –12

Students will understand and employ concepts and processes in sending and receiving oral messages, evaluating, recognizing using nonverbal communication, listening, and speaking for a variety of purposes.

They will develop communication competence in interpersonal, group, and public interaction to establish and maintain productive relationships and function effectively in social, academic, professional, and citizenship roles. Students must research, outline, write, prepare, and deliver a minimum of five oral presentations to the class, including informative speaking, persuasive speaking, debate, extemporaneous, and impromptu presentations. Students will prepare a resume and participate in the formal interview process.

Contact: Mr. Mitchell Room 231

Creative Writing **EL232** one credit
Prerequisites: none Grade level: 10-12

Creative writing is a course designed to allow students to write creatively in whatever genre they choose. The first half of the course is a survey of various literary genres: fiction, cartoons, screenplays, poetry, plays. The second half is devoted to writing within a writing workshop setting, where students share their work with the class and revise. Students are able to write in whatever genre they prefer and will be encouraged to publish their work in outside publications as well as in a school publication created by members of the class.
Contact: Mr. Nakadate room 322

Debate I, II, III, IV **I-EL552, II-EL56** one credit
III-EL572, IV-EL582
Prerequisite: none Grade Level: 9-12

You will study specific formats and forums of debate and learn processes of logic and critical thinking as they prepare briefs and cases. You will participate in the debate process of witness, questioner, and auditor, and will make evaluations of arguments. You will make debate presentations in classroom and tournament situations. Tournament participation is required. The first semester of Debate I can be used to fulfill the communications applications requirement.
Contact: Mr. Mitchell room 231

Literary Genres-Fiction Literature **ELA282** half credit
Prerequisites: none Grade level: 10-12

Class Canceled

Introduction to Film **ELA276** half credit
Analysis of Visual Media Grade level: 9-12

Class Canceled

Independent Study Journalism I and II ELA392/3 half/one credit
Prerequisite: Journalism or Photo J, Newspaper,
or Yearbook, or teacher approval Grade level: 9-12

This course is designed for the highly-motivated, well-directed student who wishes to study in-depth photography, computer pagination, layout, writing or production of one of the school's publications. The student in this course should be able to self-direct and create projects suitable for publication in either the newspaper or yearbook.
Contact: Ms. Cummons room 120 or Ms. Lynch room 228

Journalism EL322 one credit
Prerequisite: none Grade level 9-12

Provides the student with the background and fundamentals of journalism including writing, graphics, layout, design, and desktop publishing. Students will cover all aspects of producing a publication including advertising, staff management, graphics, editing, and specific writing styles.
Contact: Ms. Cummons room 120 or Ms. Lynch room 228

Newspaper I, II, III I-EL332, II-EL342, III-EL352 one credit
Prerequisite: Photojournalism or Journalism Grade level: 9-12
or teacher approval

Freshmen who have taken a publications course or photography in middle school may take this course with prior teacher approval. This course is available for students interested in planning, financing, and implementing the writing, editing, and production of a newspaper using current computer technology. Students will be involved in all aspects of running the print and online edition of the newspaper. These aspects include, but are not limited to, photography, editing, art, writing and design. Courses must be taken sequentially.
Contact: Ms. Cummons room 120

Photojournalism ELA302 half credit
Prerequisites: none Grade level: 9-12
Requirement: a digital camera

This course will teach the basic skills of photojournalism. These skills include camera basics covering action, posed, and candid photographs. Digital imaging, caption writing, and interviewing will also be included in this course. Students may use their camera phone but will need a designated camera later as they develop their passion for photography. Students will be encouraged to freelance for a publication while in this course and will not be limited to just their phones. Students may also begin to experiment with their own iPads, GoPro cameras, selfie sticks and other photographic gadgets. Contact: Ms. Cummons rm 120/ Ms. Lynch rm 228

READING I AND II SHELTERED: EL412 one credit
READING FOR SPEAKERS OF OTHER LANGUAGES Grades 9 - 12

ESL (ELL) students are offered instruction in word recognition, comprehension strategies, and vocabulary. They are given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect. All these strategies are applied in texts that cross the subject fields.

Contact: Ms. Stapp room 311

SAT/ACT Prep ADM912 half credit
Prerequisites: none Grade Level: 10-12

This course provides students with a review of SAT verbal and math skills, an understanding of the types of questions found on these tests, and knowledge of general test-taking strategies including the best specific strategies to use for each type of question. Also, the course guides students through the steps of the college admissions process including college and career exploration, college application completion, resume and admission essay writing, and financial aid/scholarship searches.

Contact: Ms. Mackey room 315

Shakespeare Studies ELA471 half credit
Prerequisites: none Grade level: 9-12

Class Canceled

Yearbook I, II, III I-EL362, II-EL372, III-EL382 one credit
Prerequisite: Photojournalism or Journalism Grade level: 9-12
and teacher approval

Freshmen who have taken yearbook or photography in middle school may take this course with teacher approval. Available for students interested in planning, financing, and implementing the writing, editing, and production of the yearbook using current computer technology. Courses must be taken sequentially.

Contact: Ms. Lynch room 228

SCIENCE ELECTIVES

Anatomy & Physiology

SC442 one credit

Prerequisites: Biology I and Algebra I

Grade Levels: 11-12

Co-requisites: Chemistry I or Physics I

A full year course with introduction to the structure and function of the human body. Course is an exploration into anatomical terminology, basic body chemistry, cells and tissues, and the various organ systems of the human body.

Contact: Ms. Yonkin room 350

Aquatic Science

SC412 one credit

Prerequisites: 2 credits in science courses

Grade levels: 11-12

Student study aquatic ecosystems, relationships among aquatic organisms and their habitats, and dynamics of aquatic environments. Studies also include geology and social sciences of marine and freshwater environments. \$10.00 course fee.

Contact: Mr. Hoskovec room 335

Biology II AP

SC149 one credit

Prerequisites: Biology I and Chemistry I

Grade levels: 11-12

The Advanced Placement course in Biology reflects the comprehensive "general biology" course given in many universities, which serves either as a terminal course as an introduction to a major sequence of courses. Students are expected to sit for the national AP Biology Exam at the end of the course in May.

Contact: Mr. Barrett room 357

Chemistry II AP

SC229 one credit

Prerequisites: Algebra II and Chemistry I PAP

Grade levels: 11-12

This is an advanced college-level course that follows the College Board Advanced Placement curriculum objectives and laboratory experiences.

Emphasis is on advanced chemistry concepts, critical thinking, and independent study. This class is highly recommended for students entering the medical or chemical engineering fields. Students are prepared and expected to sit for the national AP Chemistry Exam at the end of the course in May.

Contact: Ms. Wix room 348

Earth and Space Science **SC812** one credit
Prerequisite: Biology, Chemistry, Physics Grade levels: 11-12
Prerequisites: Algebra, Geometry, Algebra II

Earth and Space Science (ESS) is a capstone course looking at the Earth as a giant multidimensional system consisting of many separate but interacting parts. ESS draws on a student's knowledge of the three main disciplines of Science (Biology, Chemistry & Physics) to better understand how the Earth functions as a system both by itself and within the universe. Students are required to have three credits of science prior to taking ESS, but 11th graders may enroll if they are currently co-enrolled in their third year of science while taking ESS. Students are also required to have 3 credits of Math prior to taking this course but 11th graders can be enrolled in ESS if they are currently co-enrolled in Algebra II

Contact: Mr. Mesler room 340

Environmental Systems **SC472** one credit
Prerequisites: Biology and IPC Grade Levels: 11-12

Students study a variety of topics that may include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and on environmental system; sources and flow of energy through an environmental system; relationships between carrying capacity and changes in populations and ecosystems; and changes in environments. Counts as elective credit only. Required for students who do not meet math prerequisites for chemistry or physics. Field trip fee applies

Contact: Ms. Gaiser room 343

Environmental Science AP **SC479** one credit
Prerequisites: Biology and Chemistry Grade levels: 11-12

Class Canceled

Medical Microbiology **SCI712** half credit
Prerequisite: Chemistry I, Biology Grade levels: 11-12

This course is a study of microorganisms important in disease. Students prepare media, culture, stain and also perform various tests to help them identify a large variety of different microorganisms. Disease caused by microorganisms are also studied.

Contact: Ms. Hodde room 346

Pathophysiology **SCI722** half credit
Prerequisite: Chemistry I, Biology I Grade levels: 11-12

This course is the study of the human body and how it fights disease. Students will study viruses, the infection process, genetic disorders and cancer. They will learn how disease is spread and the body's immune response. In addition they will learn how cellular changes can cause disease.

Contact: Ms. Hodde room 346

AP Physics 1 **SC316** one credit
Pre-requisite: Algebra II Grade levels: 11-12
Co-requisites: Pre-Calculus

This college-level course covers mechanics, wave motion, thermodynamics, electricity and magnetism, optics, and modern physics. Problem solving emphasizes critical thought and includes pre-calculus concepts. Computer and calculator based laboratories are included in the curriculum. Perfect for pre-med, or non-science majors.

This course is taught as a second year physics course.

Contact: Mrs. Glover room 338 or Mr. Avis room 339

AP Physics C **SC329** one credit
Prerequisite: Physics I PAP, AP Physics 1 or 2 Grade levels: 12
Co-requisite: Calculus

This college-level course looks at the mechanical and electromagnetic aspects of physics from a calculus viewpoint. Geared more for technical or engineering majors. Students will be prepared to take the AP Exam for Physics C, as well as being prepared for a college physics class.

Contact: Mr. Avis room 339

Academy of Science and Engineering: Science Research and Design **SC512** one credit
Grade level: 11
Prerequisites: Algebra II, 2 of Biology, Chemistry or Physics
Co-requisites: PreCalculus or higher, one of Biology, Chemistry or Physics

In this hands-on lab class, students are exposed to Engineering, Forensics, Alternative Energy, Genetics and Microbiology, and Nanotechnology. Within the class, students work in groups to complete projects, hands-on lab activities and give presentations. **An application is required.**

Academy of Science and Engineering: Capstone SC522 one credit
Grade level: 12
Prerequisites: Science Research and Design
Co-requisites: Math; AP Science

Students work throughout the year on a capstone project of their choosing. A formal presentation to students and parents is given at the end of the year. Class meets during 9th period (Spartan Time)

SOCIAL STUDIES ELECTIVES

AP European History

one credit

Prerequisites: none; A/B grade point average in

Core courses & strong reading skills highly suggested.

SSI 49

Grade levels: 11-12

Class Canceled

AP Psychology

SST319/SST317

one credit

Prerequisites: none; A/B grade point average in

Grade level: 11-12

Core courses & strong reading skills highly suggested.

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. They also learn about the methods psychologists use in their science and practice.

This course is equivalent to an introductory college course in psychology and students taking this course are successfully prepared to take and pass the Advanced Placement Exam in Psychology at the end of the course. Successful completion of this exam allows most students to earn college credit for Introductory Psychology at colleges and universities across the nation.

AP Psychology may be used to fulfill the science elective requirement of the Academy of Science and Engineering. Does not count as a science credit for graduation purposes.

Contact: Ms. Henry room 326

GLOBAL ISSUES

SS344

one credit

Prerequisite: None

Grade levels: 10-12

Students conduct inquiry into the social, political, economic, and environmental impact of emerging issues.

Contact Mr. Murphy room 319

History through Film

one credit

Prerequisites: none

SS342

Grade levels: 11-12

History through Film is an elective for special topics in Social Studies offered to juniors and seniors. This will be a two semester course for students to express their ideas without the constraints of a traditional classroom environment. Students will observe films through four different genres in history. They will have the opportunity to apply skills learned in the social sciences to a variety of topics and issues. Students will use critical-thinking skills to locate, organize, analyze, and utilize data collected from a variety of sources. Problem solving and decision making are important elements of the course, as is the communication of information in written, oral, and visual forms.

Contact: Mr. Amarantos room 337

Introduction to Psychology**SST312**

half credit

Prerequisites: none

Grade levels: 10-12

This challenging semester elective which has upper level reading, is designed to help students gain insight into their own behavior and the actions of others through the scientific study of human behavior and mental processes. Content covered includes methodologies, developmental processes, cognitive and physiological perspectives, adjustment and breakdown, and psychological theory.

Contact: Ms. Henry room 326

Sociology**SST322**

half credit

Prerequisites: none

Grade levels: 10-12

This challenging semester elective is planned to help students understand the dynamics and models of human relationships through the scientific study of the patterns of group behavior. Content covered includes history and sociological perspectives, cultural norms, human growth and development, conformity and deviance, social institutions, cultural change and development.

Contact: Ms. Henry room 326

Languages Other Than English

The study of each of these languages begins with instruction in the basic skills with emphasis on listening, speaking, reading, writing and the relating of culture to that language. Level II continues with the extended emphasis on oral proficiency, reading, writing, increased vocabulary and grammatical structure. Level III offers Pre-AP instruction. Levels IV and V prepare students for the College Board AP exams and other level placement exams. For success in any successive foreign language levels, a grade of at least an 80 is strongly suggested before continuing to the next level. It is recommended as you begin your language study that you take Level I and follow closely with Level II.

Spanish I	FL112	one credit
Spanish II Prerequisite: Spanish I	FL122	one credit
Spanish III GL Prerequisites: Spanish I, II	FL132	one credit

This course offers review of present and past tenses of verbs and expands vocabulary categories studied in Spanish I and II. Future and compound tenses are taught, enabling students to read more complex materials. Additional vocabulary topics are added such as vocabulary relating to the fine arts, health and fitness, interpersonal relationships and emergency preparedness. Students use these varied topics to learn to express more complete and complex thoughts both in speaking and writing. This course may represent the terminal year for some students or, for stronger, more interested students, can lead to the Spanish IV Pre-AP Language class.

Spanish III Pre-AP **FL131** one credit
Prerequisites: Spanish I, II (teacher approval)

This course reviews present and past tenses and moves on to future, conditional, compound tenses and the subjunctive – always with an eye on improving the quality and complexity of the student’s language skills. Themes from Level II expand with vocabulary from the book and external sources. Additional topics might include outdoor pastimes, fine arts, emergency preparedness, community involvement, the fine arts and health and fitness. The course also includes a fairly in depth study of six classical and modern Spanish artists. Students are expected to speak and write at a higher level and to use these topics as their springboard.

Students who are successful in Spanish III Pre-AP may choose to continue their studies in either Spanish IV Pre-AP or Spanish IV AP Language and Culture (with teacher recommendation). This course is conducted primarily in Spanish and students are expected to communicate with the instructor and their classmates in the target language.

Spanish IV Pre-AP **FL141** one credit
Prerequisites: Spanish I, II, III Recommended: Spanish III Pre-AP

This course reviews and expands on grammar skills and vocabulary learned in all three previous levels. Students will hone reading, writing, listening, and speaking skills and fluency while beginning to explore the AP themes of: personal and public identities, contemporary life, family and communities, beauty and aesthetics, science and technology, and global challenges. At the end of this course, dedicated students will be well-prepared to take the Spanish AP Language and Culture course. This course is conducted primarily in Spanish and students are expected to communicate with the instructor and classmates in the target language.

Spanish IV AP Language and Culture/Dual Credit **FL149** **one credit**

Prerequisites: Spanish I, II, III
Recommended: Spanish III Pre-AP, Spanish IV Pre-AP

This course prepares dedicated students for success on the AP Spanish Language and Culture Exam and/or other college placement exams. Thus, the course is taught at a college level and students are expected to demonstrate a work ethic at a similar level. In preparation for the exam, students will interpret authentic written and recorded materials, and are expected to produce written and spoken responses at a high level of fluency. In this course students will explore and discuss the AP themes: personal and public identities, contemporary life, family and communities, beauty and aesthetics, science and technology, and global challenges. As the course is conducted in Spanish, students are expected to communicate with the instructor and classmates in Spanish and

participate in all class activities, including discussions, in the target language.

Spanish V AP Literature **FL159** one credit
Prerequisites: Spanish I through IV AP (teacher approval)

Spanish V AP Literature is comparable to a third-year college introduction to Hispanic literature course. It is based on the required reading list of the College Board. The works on the list are of literary significance and represent various historical periods, literary movements, genres, geographic areas, and population groups within the Spanish-speaking world. The course teaches students the techniques of literary analysis and a basic vocabulary of critical terms. Students are afforded the opportunity to read, discuss, and analyze critically in Spanish representative works of Spanish and Latin American literature through class discussion and essay writing. The curriculum includes representative work of prose, poetry, and drama from different periods with a consideration of their cultural context. Grammar and vocabulary will be reviewed as needed. Students will be prepared to take the AP Spanish Literature Exam.

Spanish VI AP **FL169** one credit
Prerequisites: Spanish V AP (with teacher approval)

This class is open to students who have taken Spanish V AP Literature. Depending on student needs and interests and approval of the teacher, students may either prepare to re-take the AP Lit test or be involved in practical application of their Spanish language skills throughout the Stratford area.

Spanish for Native Speakers **FLA172/182** two credits
Prerequisites: Teacher/counselor approval

This course is designed for native speakers of Spanish who can already listen to, understand and speak the language with minimal writing and reading skills. Their basic skills will be strengthened with an emphasis on vocabulary, reading and writing at more advanced levels. Students receive two high school credits (1 for Spanish I and 1 for Spanish II) upon successful completion of the one year course.

Contact for all Spanish courses: Ms. Sorsby room 108

French I **FL212** one credit

French II **FL222** one credit
Prerequisite: French I

French III Pre-AP **FL231** one credit
Prerequisites: French I, II (teacher approval)

This course reviews present and past tenses and moves on to future, conditional, compound tenses and the subjunctive – always with an eye on improving the quality and complexity of the student’s language skills. Themes from Level II are expanded with vocabulary from the book and external, authentic sources. Students will also begin to explore the AP themes of: personal and public identities, contemporary life, family and communities, beauty and aesthetics, science and technology, and global challenges. Students are required to speak and write at a higher level and use these topics as their springboards.

At the end of this course, dedicated students will be prepared to continue their French studies with the French IV AP Language and Culture course. French III Pre-AP is conducted primarily in French and students are expected to communicate with the instructor and their classmates in the target language.

French IV AP Language **FL249** one credit
Prerequisites: French I, II, III

This course prepares dedicated students for success on the AP French Language and Culture Exam and/or other college placement exams. Thus, the course is taught at a college level and students are expected to demonstrate a work ethic at a similar level. In preparation for the exam, students will interpret authentic written and recorded materials, and are expected to produce written and spoken responses at a high level of fluency. In this course students will explore and discuss the AP themes: personal and public identities, contemporary life, family and communities, beauty and aesthetics, science and technology, and global challenges. As the course is conducted in French, students are expected to communicate with the instructor and classmates in French and participate in all class activities, including discussions, in the target language

Contact for all French courses: Ms. Hayes room 107

German I **FL312** one credit

German II **FL322** one credit
Prerequisite: German I

German III Pre-AP **FL331** one credit
Prerequisites: German I, II

This course allows students to develop upper level skills reading, writing, listening and speaking that prepare you for the German AP test in future courses. There are many cultural activities in this class.

German IV Pre-AP **FL341** one credit
Prerequisites: German I, II, III

This course prepares the student for the AP Language exam by providing opportunities to study print and/or audio texts or a combination of both at the appropriate level in order to facilitate interpretive communication and to practice: Interpersonal writing: E-mail replies, Presentational writing: Persuasive essay, Interpersonal speaking: Role-plays, Presentational Speaking: Cultural comparison.

German IV AP Language and Culture **FL349** one credit
Prerequisites: German I, II, III

This course prepares dedicated students for the AP German Language and Culture Exam and/or other college placement exams. It is taught at a college level and students are expected to demonstrate a work ethic that allows them to pass the exam successfully. The course provides opportunities to study and interpret authentic print and audio texts or a combination of both related to the following themes: Personal and public identities, family and communities, contemporary life, beauty and aesthetics, science and technology, and global challenges. Furthermore, the course includes the study of German-language literature. It is entirely conducted in German and students are expected to communicate in the target language with their fellow students as well as the teacher. Oral and written language practice includes interpersonal and presentational communication: E-mail reply, persuasive essay writing, oral debate, role-play, and cultural comparison.

Contact for all German courses: Mr. Mueller B Days Foreign Language Office

American Sign Language I , II **FL012 , FL022** one credit
Contact: TBD

The course offers basic instruction in understanding and producing learned signs, phrases, and sentences and recognizing the importance of communication and how it relates to the American Deaf culture.

Computer Science I, II **TA312/322** one credit

Classes Closed
at Capacity

FINE ARTS ELECTIVES

Art I **FA112** one credit
Prerequisites: none Grade Level: 9-12

This is the prerequisite and foundation course for all studio courses in art. The course explores the elements and principles of design through painting, drawing, printmaking, ceramics, sculpture, and electronic media. Students explore art works of diverse styles, cultures and historic periods. Students will receive fee information at the beginning of the course.
Contact: Ms. Garison room 225 or Ms. Hyche room 227c

Advanced Art I **FA116** one credit
Prerequisites: 2yrs of middle school art, portfolio review/teacher recommendation Grade Level: 9-12

This course has all the same elements of Art I, but is designed as a more rigorous course for students that have a high interest and skill level in art. Placement in this course is based on two or more years of middle school art or a portfolio review by the high school art department. This course is designed for students with a desire to take advanced art classes.
Contact: Ms. Garison room 225

Art II Pre AP **FA121** one credit
Prerequisite: teacher recommendation Grade level: 10-12

Students will be recommended by art teacher and will have a portfolio for selection. Students will follow a program that will prepare them for AP portfolios.
Contact: Ms. Hyche room 227c

Art II Drawing **FA123** one credit
Prerequisites: Art 1 Grade level: 10-12

This advanced art course provides students who have successfully completed Art I an opportunity to further develop concepts and processes specific to drawing. Students will explore a variety of media, artists and styles in this area. Students will maintain a portfolio and sketchbook. Fee information will be announced.
Contact: Ms. Clouse, Ms. Garison or Ms. Hyche

Art III Drawing **FA133** one credit
Prerequisites: Art II Drawing/teacher approval Grade Level: 11-12

This third year course provides an in-depth study of the concepts, techniques, history and self-expression of drawing on an advanced level. Completion of a cohesive portfolio is required. Students will receive course information and a fee schedule at the beginning of the course.
Contact: Ms. Clouse, Ms. Garison, or Ms. Hyche

Art IV Drawing & Painting **FA142** one credit
Prerequisites: Art II Drawing/teacher approval Grade Level: 11-12

The experiences given and skills developed in the first three levels of art prepare students for in-depth study of special problems based on drawing and painting. Students will produce a body of artwork and develop evaluative criteria for selecting artworks to include a required portfolio. Students will receive a fee schedule and course information at the beginning of the course.
Contact: Ms. Clouse, Ms. Garison, or Ms. Hyche

Art II Photography **FA127** one credit
Prerequisites: None Grade Level: 9-12

Students will develop skills in photography as they explore the basics of design, composition, and lighting. Students will be required to supply their own digital camera and to maintain a portfolio. Upon successful completion of this course students will be able to apply to be on newspaper or yearbook or can advance to Art III Photography.
Meets fine arts requirement.

Fee: \$70
Contact: Ms. Lynch room 228

Art III Photography **FA137** one credit
Prerequisites: Art II Photography Grade Level: 9-12

Students will continue to develop skills in photography as they explore design, composition, and lighting. Students will be required to supply their own digital camera and to maintain a portfolio. Upon successful completion of the course, students will be able to apply to be on newspaper or yearbook or take Art IV Photography. Class information will be distributed at the beginning of the course.
Meets fine arts requirement.

Fee: \$70
Contact: Ms. Lynch room 228

Art IV Photography **FA147** one credit
Prerequisites: Art III Photography Grade Level: 10-12
Students will develop skills in photography as they explore the basics of design, composition, and lighting. Students will be required to supply their own digital camera and to maintain a portfolio. Class information will be distributed at the beginning of the course.
Meets fine arts requirement.
Fee: \$70
Contact: Ms. Lynch room 228

Art II – 3D (Sculpture) **FA125** one credit
Prerequisites: Art I Grade Level: 10-12
This advanced art course provides students who have successfully completed Art I an opportunity to further develop concepts and processes specific to sculpture. Students will explore a variety of media, artists and styles in this area. Students will maintain a portfolio in digital form and other documentation of work. Fee information will be announced.
Contact: Ms. Clouse room 227

Art III – 3D (Sculpture) **FA135** one credit
Prerequisites: Art II- 3D/teacher approval Grade Level: 11-12
This third year course provides an in-depth study of the concepts, techniques, history and self-expression of sculpture on an advanced level. Completion of a cohesive portfolio is required. Students will maintain a portfolio in digital form and other documentation of work.
Contact: Ms. Clouse room 227A

Art IV – 3D (Sculpture) **FA145** one credit
Prerequisites: Art III – 3D/teacher approval Grade Level: 12
The experiences given and skills developed in the first three levels of art prepare students for in-depth study of special problems based on sculpture. Students will produce a body of artwork and develop evaluative criteria for selecting artworks to include a required portfolio. Students will maintain a portfolio in digital form and other documentation of work.
Contacts: Ms. Clouse room 227A

AP Art Drawing Portfolio **FA140** one credit
Prerequisites: Art I, II, Portfolio submission Grade Level: 11-12
Selection based on merit and teacher recommendation, participation in a Spring Studio tryout, and an Artist Statement of purpose. This course enables highly motivated advance art students to do college-level work in drawing. It is designed to address a very broad interpretation of drawing issues which involves purposeful decision making about how to use the elements and principles of design in an integrative manner. Students must demonstrate mastery of developing an extensive portfolio to be submitted to the College Board. Specific course requirements, fees, and expectations may be obtained from the art department. Admission is

based on a portfolio of 8 pieces , a statement of purpose, and teacher recommendation. Contact: Ms. Clouse, Ms. Garison, or Ms. Hyche

AP Art Design 2D Portfolio **FA159** one credit
Prerequisites: Art I, II, Portfolio submission Grade Level: 11-12
teacher recommendation

This course enabled highly motivated advanced art students to do college level work using a variety of two dimensional methods. The course is designed to address a very broad interpretation of 2D issues which will include purposeful decision making about how to use the elements and principles of design in an integrative manner. Students must demonstrate mastery by developing an extensive portfolio to be submitted to the College Board. Specific course requirements, fees, and expectations may be obtained from the art department. Admission is based on a portfolio of 8 pieces, a statement of purpose, and teacher recommendation.
Contact: Ms. Clouse, Ms. Garison, or Ms. Hyche

AP Art Design 3D Portfolio **FA169** one credit
Prerequisites: Art I, II, Portfolio submission Grade Level: 11-12

Selection based on merit and teacher recommendation
This course enabled highly motivated advanced art students to do college level work using a variety of three dimensional methods. The course is designed to address a very broad interpretation of 3D issues which will include purposeful decision making about how to use the elements and principles of design in an integrative manner. Students must demonstrate mastery by developing an extensive portfolio to be submitted to the College Board. Specific course requirements, fees, and expectations may be obtained from the art department. Admission is based on "Studio Try-out" in the spring, a portfolio of 6 pieces, a statement of purpose, and teacher recommendation.
Contact: Ms. Clouse room 227A

Music Theory **PA511** one credit
Prerequisite: none; ability to read music notation Grade Level: 10-12
and current study of instrument or voice **highly recommended**

Music Theory is an introductory course designed for students that have an interest in understanding the inner workings of music. This course is designed as a foundational study for students that wish to enrich their study of music during their high school career and into college. The course is not as quickly-paced nor in-depth as the Advanced Placement level of Music Theory, and is recommended for students that have no prior understanding of theory. There is no prerequisite for this course, but the ability to read music notation and current study of an instrument or voice is highly recommended.
Contact: Mr. Jagdeo

AP Music Theory **PA512** one credit
Prerequisite: ability to read music notation and current study of instrument or voice
Grade Level: 11-12

AP Music Theory is an intensive, fast-paced curriculum designed to equal the freshman year of a college music theory course. This music theory course is designed for students who need it for career study as well as those who desire it for enrichment. The ultimate goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score through the development of aural skills, sight-singing skills, written skills, compositional skills, and analytical skills. While the main emphasis is placed on music of the Common Practice Period (1600-1900), music of other stylistic periods is also studied. The only prerequisite is the ability to read music notation and the current study of an instrument or voice.
Contact: Mr. Jagdeo

Theater Arts I **PA611** one credit
Prerequisites: none
Grade Level: 9-12

This is a course in the fundamentals of theater production. It is designed to acquaint the student with pantomime, improvisation, and the rudiments of acting as well as the jobs of theater. The course is performance based and requires classroom or onstage performance as well as memorization.
Contact: Ms. Baker, Mr. Holmes

Advanced Theater I **PA616** one credit
Prerequisites: Middle School experience/teacher rec.
Grade Level: 9-12
Contact: Ms. Prudhomme, Mr. Holmes

Theater Arts II **PA612** one credit
Prerequisites: Th. Arts I
Grade Level: 10-12

This course is designed for the student who shows exceptional ability in drama and who wishes to take advanced drama courses. The student will communicate artistically and factually as a writer, actor, manager and critic. Students will work both individually and in teams to solve artistic problems.
Contact: Ms. Prudhomme, Mr. Holmes, Mr. Clayton

Theater Arts III **PA613** one credit
Prerequisites: Th. Arts II and Teacher Approval Grade Level: 11-12

Students will develop skills to design, produce, and perform a play for theater. Students will read plays to discover literal and metaphoric meanings of a work. Students will develop criteria to evaluate their work and the work of their classmates, as well as the professional artist.
Contact: Ms. Prudhomme

Theater Arts IV **PA614** one credit
Prerequisites: Th. Arts III and Teacher Approval Grade Level: 12
Course description is the same as Theater Arts III
Contact: Ms. Prudhomme

Technical Theater I **PA621** one credit
Prerequisites: none Grade Level: 11-12
This course includes development and application of skills and basic theories of design in color, drawing, lighting, costuming, props, and interpretation in stage design. Will
Contact: Mr. Clayton

Technical Theater II, III, IV **II- PA622, III- PA623** one credit
Prerequisites: Tech. Theater I **IV- PA624** Grade Level: 11-12
and/or Teacher Approval
Same description as Technical Theater I
Contact: Mr. Clayton

Dance I (Pre-Drill) **PDAC1** one credit
Prerequisites: none Grade Level: 9-12

This is dance training for the beginner. Students will learn dance skills and techniques including creative expression, improvisation, and dance appreciation.
Contact: Ms. Gonzalez

Band I–IV **VBN**

Prerequisites: director approval/audition

Students will learn musicianship, instrumental technique, critical listening, basic music theory, cultural growth, rehearsal and concert etiquette, creative self-expression, responsible citizenship, problem solving, effective communication and production of quality performances. The band is divided into marching season and concert season. During marching season, students learn marching fundamentals, chart reading, how to play and march simultaneously, spatial awareness and movement memory. A variety of movement styles are performed. Physical conditioning is emphasized. Students should be in good physical shape to participate.

Concert season provides students an opportunity to continue music growth and experience music literature. Individual, small and large ensemble concepts and skills are emphasized. Two or more levels of band are offered (Honor Band, Symphonic Band, etc.). Students are placed in each level according to performance criteria, including an audition by the director. Class periods may be split by instrument type - woodwind, brass and percussion. The students PE obligation is reduced one-half credit each time they complete a fall semester of band (Marching Band).

Instrumental Ensemble **PA281** **one credit**

Prerequisites: director approval **Grade Level: 9-12**

Enrollment in this course is for students enrolled in one of the other band courses. It serves as an opportunity for extra practice time and individual help. Jazz skills will be covered for interested students.

Color Guard **PCL** **one credit**

Prerequisites: director approval **Grade Level: 9-12**

This course is open to all students in grades 9-12, with or without previous experience. Students can enroll in this class by audition only. The color guard audition camp will be held at the end of May and the beginning of June for the next school year. Please see a band director for more information. Transfer students may enroll in this class with previous color guard experience at the discretion of the directors. Students in this class will improve on basic skills and fundamentals for flag, rifle, sabre, and dance. Students will participate in all required performances, such as football games, marching contests, color guard competitions, and on campus concerts. During the first semester, color guard student will perform with the marching band and are expected to attend all afterschool rehearsals and performances. During the second semester, color guard students participate in the winter guard competition season. There will also be afterschool/evening rehearsals scheduled for winter guard to prepare for competitions. The students PE obligation is reduced one-half credit each time they complete a fall semester of band (Marching Band).

For all band courses contact: Richard Graham or Robert Littlefield

Philharmonic Orchestra **VOR** one credit
Prerequisite: At least one year of previous Grade Level: 9-12
experience or approval of instructors.

This course focuses on the techniques and skills required to play a stringed instrument at the intermediate and advancing high school levels. The Philharmonic participates in all concerts, field trips and other activities offered for the students of the SHS Orchestra Program. Although students perform in all concerts, this class emphasizes the learning and reinforcement of basic techniques such as proper posture, bow hold, tone production and intonation so as to prepare students for a lifelong love of music through performance.

Camerata Orchestra **VOR** one credit
Prerequisite: At least two years of previous experience Grade Level: 9-12
stringed instrument or approval by the instructors

This course focuses on the study and performance of the masterworks of the string orchestra literature. The primary goal of this class is to provide advanced students the opportunity to study and perform advanced and intermediate string Orchestra literature. Although the primary focus of this class is on performance, students are introduced to techniques and skills which will help them to improve their abilities in order to be considered for advancement to the Symphony Orchestra or Collegium in succeeding years. Each student also participates in the Chamber Music Program performing an appropriate work for string trio, quartet or quintet in the January Chamber Music Concert. This group also participates in all Region, Area, State and UIL competitions as well as out of town trips. Lifelong love of music through performance is the ultimate goal.

Symphony Orchestra **VOR** one credit
Prerequisite: This is the most advanced level of Grade Level: 9-12
Orchestra and is by audition only.

This course focuses on the study and performance of the masterworks of the string and full orchestra literature. The primary goal of this class is to provide highly advanced students the opportunity to study and perform professional level orchestral works from the Baroque, Classical, Romantic and Contemporary Periods of music. Although the primary focus is on the string orchestra repertoire, students also participate (together with top band students) in performing Full Symphonic works several times per year. Additionally this group also teams up with the SHS top Choir to perform major Choral/Orchestral works on occasion. Each student also participates in the Chamber Music Program performing a major work for string trio, quartet or quintet in the January Chamber Music Concert. Opportunities also exist for students in this group to perform in the Pit Orchestra with the acclaimed Stratford Playhouse in major Broadway type musical theatre productions. This group also participates in all Region, Area, State and UIL competitions. The ultimate goal is to develop a lifelong love of music through performance.

For all orchestra courses, contact: Mr. Fahey and Mr. Jagdeo

CAREER AND TECHNOLOGY EDUCATION

Accounting I **CFI14** one credit
Prerequisites: none Grade Level: 10-12

Want to get a grasp on how finances are handled in the world of business? Accounting is the course to take! This fun and challenging program will give you an understanding of the checks and balances of the business world. Accounting I is a college prep course for Business majors. It is the equivalent to college level Office Accounting, which is a prerequisite to Financial Accounting (Accounting I) on the college level. The goal of this course is to build a good foundation of Accounting theory so you will be successful in college Accounting. You will complete the accounting cycle for both a service business and merchandising business. This course is a requirement for the Academy of Finance.
Contact: Ms. Jackson room 236

Accounting II **CFI24** one credit
Prerequisites: Accounting I Grade Level: 11-12

Level 2 provides for review and further development of fundamental accounting principles with extensive use of computerized accounting programs. You will study the Stock Market, Investing, Corporate Accounting and the Sarbanes-Oxley Act.
Contact: Ms. Jackson room 236

Business Information Management I **CBM12** one credit
Prerequisites: Keyboarding Skills Grade level: 9-12

In today's tech-savvy world, technology skills are a must! Develop the computer skills you need to succeed in both college and career. This course includes applications for both personal and business situations, with particular focus on the Microsoft Office Suite and the MS Office certification exam. The MSO cert is a globally recognized certification, giving you a competitive advantage in today's hot job market. This course is a requirement for the Academy of Finance.
Contact: Mr. Gossett or Mr. Elmore room 238

Child Development
Prerequisites: none

CTHU15 half credit
Grade Level: 10-12

Class Canceled

Child Guidance

CHU16 two credits

Prerequisites: Application/Teacher recommendation Grade Level: 11-12

Enjoy kids? Then get ready for a real experience. This is a "hands on" course that provides a chance to work with very young children. You will receive practical experience while working at a one of the district's pre-K centers three days a week. You will be able to work with children ages 6 months to 4 years. Classroom instruction is held twice a week.
Contact: Ms. Lucas room 232

Computer Science Software Engineering CST15
Prerequisites: None

one credit
Grade Level: 9-12

Class Closed At Capacity

Computer Science II **TA322** one credit
Prerequisites: Algebra I and Computer Science I Grade level: 10-12

Class Canceled

Digital Design & Media Production **TA506** one credit
Prerequisites: knowledge of computer basics Grade Level: 9-12

Create vibrant and exciting computer projects using sound, images, graphics and video. A laboratory and performance-based course designed to provide an overview of and experience in multimedia technology. Students will develop necessary skills and obtain hands-on tools to build interactive multimedia products. Formerly called Multimedia.

Contact: Ms. Owen room 229

Digital Electronics (PLTW) **CST53** half credit
(State Approved Advanced Mathematics Course) Grade level: 10-12
Prerequisite: Successful completion of Introduction to Engineering Design and Algebra 1

Digital Electronics is the study of electronic circuits used to process and control digital signals. The major focus of the course is the design process applied to the use of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. You will analyze, design & build fundamental digital electronic circuits.

Contact: TBD

Dollars and Sense **CTHU11** half credit
Prerequisites: none Grade Level: 9-12

Students will learn basics of money management for personal and family goals. Budgets, credit sources, investment instruments and how to get the most "bang for your buck" will be explored. This is an approved elective course for the Academy of Finance.

Contact: Ms. Owen room 229

Fashion Design **CAV15** one credit
Prerequisite: none Grade level: 10-12

Bring fashion to life! This course will introduce you to the world of fashion. Topics covered are the trends of fashion, apparel industry, promotion, textiles, design, clothing construction and careers related to fashion. It is a "hands on" course that will allow you to have many career-related experiences.

Contact: Ms. Lucas room 232

Global Business **CTBM15** half credit
Prerequisites: none Grade Level: 11-12

The world is just a touch away! Global Business introduces concepts of the global market and international trade. We will look at the economy of the global marketplace, study cultural differences and the effects of those differences on our society, international law and finance. Enjoy this innovative experience and discover the world at hand. This is an approved elective course for the Academy of Finance.

Contact: Ms. Owen Room 229

Health Science II **CHS12** two credits
Prerequisites: Principles of Health Science, Biology Grade Level: 11-12

**Class Closed At
Capacity**

Human Growth and Development **CET11** one credit
Prerequisites: none Grade Level: 10 -12

An introduction to developmental psychology, the course explores the different stages of human life- Prenatal, Infancy, Childhood, Adolescence, Adulthood- and the biological, psychological and social changes occurring in individuals during them. Topics include: theories of development, genetics and development, birth and the neonate, cognitive and brain development, early experience, attachment, motor & language development, social, moral development, aging and death.
Contact: Ms. Cave Room 233

Instructional Practices in **CET12** one credit
Education & Training
Prerequisites: Application/teacher recommendations Grade Level: 10-12

Changing lives in real classrooms could be in your future! If you are ready to teach and get hands on experience working with children, then this is the course for you. You will be assigned to an off-campus school and will get practical experience working beside a certified teacher. Students have a choice of working with kindergarten through middle school. If you are thinking about a career related to children and or teaching, this is definitely the course for you.
Contact: Ms. Lucas room 232

Interior Design **CAC11** one credit
Prerequisite: none Grade Level: 10-12

Are you creative? Do you enjoy art? Are you interested in construction? Interior Design will give you the opportunity to develop the fundamental skills needed to create functional along with beautiful living environments. You will learn about the many facets of Interior Design including: the elements & principles of design, color theory, materials, furniture, space planning, furniture arranging, the trends and issues of interior design & housing. You will apply concepts by hands-on activities related to residential to commercial aspects within the construction industry.
Contact: Ms. Lucas room 232 and Ms. Cave room 233

Introduction to Engineering Design (PLTW)
Prerequisites: completion of or taking Geometry

CST51 one credit
Grade Level: 9-12

Class Closed At Capacity

Lifetime Nutrition & Wellness
Prerequisites: none

CTHU13 half credit
Grade Level: 10-12

"What's for dinner?" Students will learn how to plan and prepare healthy food choices for themselves and their families. Special dietary needs, food safety, sanitation, meal etiquette and career opportunities in the food industry are also addressed. Students prepare a variety of foods during the lab time.

Contact: Ms. Cave room 233

Medical Terminology
Prerequisite: None

CTHS11 half credit
Grade level: 9-11

This course is designed as an introduction to the medical field. Students develop a working knowledge of the language of medicine. 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.

Money Matters
Prerequisites: none

CFI10A one credit
Grade Level: 10-12

Money! In our global society, money makes the world go around. This yearlong course is designed to prepare you to make good lifetime financial choices; with an emphasis on global economics and how it influences you as a consumer and in your business. You will analyze financial options including long term financial planning, investments tax planning, asset allocation, risk management, retirement and estate planning. This course is required for Academy of Finance students.

Contact: Ms. Schaper room 240

Peer Assistance Mentoring Program AD962 one credit
Prerequisite: none Grade Level: 11, 12

Class Closed At Capacity

Practicum in Education Training I CET82 two credits
Prerequisites: CET12 Grade level: 12

This field-based internship focuses on child and adolescent development principles as well as principles of effective teaching and training practices under the joint direction and supervision of teacher with knowledge of early childhood, elementary, middle and high school aged students. You will be able 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, and educational personnel.

Contact: Ms. Lucas room 232

Practicum in Education Training II CET92 two credits
Prerequisites: CET82 Grade level: 12

This field-based internship focuses on child and adolescent development principles as well as principles of effective teaching and training practices under the joint direction and supervision of teacher with knowledge of early childhood, elementary, middle and high school aged students. You will be able 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, and educational personnel.

Contact: Ms. Lucas room 232

**Principals of Business,
Marketing and Finance** **CTBM10** half credit
Prerequisites: None Grade Level: 9-12

Want to open up a whole new world of opportunities? Then let's get down to business! In this course, you will gain knowledge and skills in business, finance and marketing. Turn your knowledge and sense into dollars \$\$\$ and cents! This is an approved elective course for the Academy of Finance.

Contact: Mr. Gossett room 238

Principles of Engineering (PLTW) **CST52** one credit
Prerequisites: IED and taking Alg. II Grade Level: 10-12

This project-based course explores the basics of several engineering disciplines. Algebra and physics concepts are combined to support design decisions in projects. Major projects include designing and building a "mousetrap" device of simple machines, a bridge made of bass wood, a robot to sort marbles, and a projectile apparatus. Students also gain understanding of engineering college programs and careers.

Contact: Mr. Hall Room 209

Principles of Health Science **CHS10** one credit
Prerequisites: none Grade Level: 10-12

In our ever changing world, one thing is constant, the need for Health Care Providers. The "Baby Boomers" are retiring and the need for new recruits is eminent! You will be helping mankind. Sign up for Principles of Health Science to learn about the exciting opportunities in the Health Care Industry. Come, have fun in developing your new vocabulary of Medical Terminology. You will be able to interpret what the health care professionals are really saying.

Contact: Mr. Plake room 352

Principles of Hospitality and Tourism **CHT10** one credit
Prerequisites: none Grade level: 9-10

Ever wonder what it would be like to work at Disney World or on a Cruise Ship? Hospitality and Tourism involves all the aspects of the travel, leisure, foods, and lodging industries and careers associated with each industry. Students will get to research theme parks, design their own hotels, and create a travel itinerary. They will also gain an understanding of the restaurant industry through cooking, creating/designing their own restaurant or Food Truck.

Contact: Ms. Cave Room 233

Principles of Human Services **CTHU10** half credit
Prerequisites: none Grade Level: 9-10

This course touches on many topics related to nutrition, early child development, family and community development, personal care services and consumerism. Hands on projects are emphasized in a lab setting to expose you to the many areas of study you can take in the Human Services career area.

Contact: Ms. Cave room 233

Sports and Entertainment Marketing **CTMK15** half credit
Prerequisites: none Grade Level: 10-12

On your Mark, Get Set, Go! Sports and Entertainment Marketing focuses on the functions of marketing as it relates to the business of sports. It's not just a game—it's business. You will be given many opportunities to design marketing strategies, select appropriate products and promotional activities for sports and entertainment events and go on field trips. Let the games begin! Will you be ready when the whistle blows?

Contact: Ms. Owen room 229

Web Design **TA632** one credit
Prerequisite: knowledge of computer basics Grade Level: 9-12

Fun + Dynamic + Exciting + State of The Art = Web Design. Create websites, surf the Internet for exciting new technologies, learn the fundamentals on your way to becoming a professional web master. You will work with the top of the line technologies such as Photoshop and Flash as well as learning HTML and other exciting web applications and languages. Have you ever wondered how to put sound, animation and interactivity on a web site? You will know how to at the end of this course. The future is on the Internet, so be part of that future now.

Contact: Mr. Elmore Room 235

Health and Fitness Electives

Health **HPE112** half credit
Prerequisites: none Grade Level: 9-12

Class Canceled

Team Sports I **HPE141** half credit
Prerequisites: none Grade Level: 9-12

Activities include sports and games that require several people to participate, such as basketball, volleyball, field hockey, soccer, and other recreational games. Activities will depend on the number of students in the class, weather, and facilities available at the time.
Contact: Ms. Simmons and Mr. Golden

Team Sports II **HPE142** half credit
Prerequisites: none Grade Level: 9-12

Same description and contacts as Team Sports I

PE Tennis **PB110** half to one credit
Prerequisites: none Grade Level: 9-12

P. E. Tennis is an elective credit where students may earn one-half or one full credit depending upon the duration students spend in the course – a semester or full year. The course is designed for students who show an interest in learning to play the game of tennis, without the responsibility of after school practice or competing for the school. The instructor assumes no prior exposure to the sport. As such, the class is considered a “how to” class with the ultimate goal of developing a knowledge and appreciation for the sport that will motivate the student to want to continue to play the “sport of a lifetime”. Some students may have prior experience. The mission for those students will be to continue to improve their skills with the possibility of trying out for one of the school teams at a later time if that is in the student’s interest.

Adult tennis racquet (does not have to be new or expensive), tennis courts shoes (can be basketball or cross trainers) and shorts/skirt/t-shirt/sweatshirt, sweatpants are required equipment for this class.
Contact: Mr. Courson room 210

PE Aerobics I **HPE151** half credit
Prerequisites: none Grade Level: 9-12
Activities include cardio step, jump rope, power walking, interval training, aerobic impact and other activities that promote health related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation. Uniform is required.
Contacts: Ms. Simmons

PE Aerobics II **HPE152** half credit
Prerequisites: none Grade Level: 9-12
Same description and contacts as PE Aerobics I

Spin Fit **HPE131/132** half to one credit
Prerequisites: none Grade Level: 9-12

Spin Fit is an organized fitness class. This form of exercise focuses on endurance, strength, intervals, high intensity and recovery, and involves using a special stationary exercise bicycle with a weighted flywheel in a classroom setting. In addition to cycling activities, you will also participate in resistance and weight training activities using a variety of equipment, including dumbbells, resistance bands, weight machines and free weights, jump ropes, etc.. You will be required to dress in appropriate fitness attire and wear tennis shoes. Parent approval and waiver forms must be completed prior to participation in the class. Uniform is required.
Contact: Ms. Simmons

Boy's Soccer: Coach Wallace Periods 1/2
Start date: Early January End date: Mid March
Tryout: Late August (late tryout) jose.copa@springbranchisd.com

Girl's Soccer: Coach McGee Periods 7/8
Start date: Early January End date: Mid March
Tryout: Late August gena.mcgee@springbranchisd.com

Softball: Coach Casey Periods 7/8
Start date: Late January End date: Late April
Tryout: Mid January timothy.casey@springbranchisd.com

Swim/Diving: Coach Hoskovec Periods 1/2
Start date: Mid October End date: Late February
Tryout: Late August Michael.hoskovec@springbranchisd.com

Tennis: Coach Courson Periods 6 Freshman, 8 JV, 7 V
Start date: Late August End date: Early April
Tryout: Late August Thomas.courson@springbranchisd.com

Boy's Track: Coach Brillon Periods 7/8
Start date: Late January End date: Mid April
Tryout: Early January joseph.brillon@springbranchisd.com

Girl's Track: Coach Gossett Periods 7/8
Start date: Late January End date: Mid April
Tryout: Early January Joshua.gossett@springbranchisd.com

Volleyball: Coach Palermo Periods 7/8
Start date: Early August End date: Late October
Tryout: Early August Rebecca.palermo@springbranchisd.com

LOCAL CREDIT ELECTIVES

Local credit electives do not count towards credits needed to fulfill state graduation requirements.

Office Assistant **AD322** half to one credit
Prerequisites: excellent attendance Grade Level: 11-12
No serious discipline infractions, pleasant co-operative attitude & willingness to work.

Teacher Aide **AD342** half to one credit
Prerequisites: excellent attendance Grade Level: 12
No serious discipline infractions, pleasant co-operative attitude & willingness to work.

Study Hall (on-campus) **ADS13** half to one credit
Prerequisites: none Grade Level: 9-12

Study hall is offered at a student choice for either one semester, or the entire year. There is no structured curriculum. Any student may request study hall. Upperclassmen with heavy curricular and extra-curricular loads are encouraged to consider taking this class along with first semester freshmen to assist with high school.

****Seniors have the option of taking an off campus study hall for either one semester or the entire year. The course numbers for Senior off Campus study hall are: ADS01 (AM) or ADS02 (PM). Off campus study halls are AM, 1st or 2nd period or PM, 7th or 8th period.**

Stratford High school Academies for the Class of 2017

Academy of Finance

A high school program for students interested in Business and Finance!

Students can join (AOF) in the 11th grade year as long as they are enrolled or have taken one of the required or approved electives for AOF

Online applications will be available at the beginning of the school year

Required Courses

Accounting (1 Credit)

Business Info Management (BIM) (1 Credit)

Money Matters (1 Credit)

One approved elective is also required: The following courses are available:

Accounting II (1 Credit)

Banking and Financial Systems (1 Credit)

Business Law (.5 Credit)

Dollars & Sense (.5 Credit)

Global Business (.5 Credit)

Principles of Business, Marketing and Finance

Internship: Typically completed the summer after the Junior year – all Academy students required to complete a 160-hour paid or unpaid internship.

Seniors can take a trip to New York City to tour the Financial District and other sights!

Academy Teachers

* Mr. Elmore * Coach Gossett *Mrs. Jackson *Ms. Owen *Ms. Schaper *

Questions: contact Ms. Schaper, the AOF Coordinator, in Room 240, or

email: (pamela.schaper@springbranchisd.com)

SBISD AOF website: <http://cte.springbranchisd.com/aof.html>

Stratford AOF website: <http://goo.gl/XVeOal>

Academy of Science and Engineering

The Stratford Academy of Science and Engineering provides an educational experience that encourages students to pursue a career in science and engineering. This is accomplished by: innovative technology; in-depth, real life lab experiences; active problem solving and analytical thinking; and teamwork and communication.

Student Eligibility Criteria

Applicants must be a current sophomore.

By their junior year, applicants must have completed 2 of, and be concurrently enrolled in the 3rd of, Biology, Chemistry and Physics.

Applicants must have and maintain a B average in the four core classes (Science, English, Math, Social Studies) on their report cards.

Acceptable teacher recommendation.

An application with essay question will be filled out by the applicant and returned by the due date.

The applicant cannot have any suspensions during the school year they apply to the Academy or assignments to DAEP during high school.

If the applicant has received any ISS assignments, the ISS assignments will be reviewed by Academy leadership.

The applicant cannot receive a U in conduct on a report card during the school year in which they apply. If an N in conduct is received on the report card, an interview with Academy directorship will be required.

Applicants may be subject to an interview as deemed necessary by Academy directors.

Cont. next page

Requirements While a Part of the Academy

Academy Lab Class – Scientific Research and Design – 11th grade year

In this hands-on lab class, the students are exposed to Engineering, Forensics, Alternative Energy, Genetics and Microbiology, and Nanotechnology. Within the class, students work in groups to complete projects, hands-on lab activities, and give presentations.

Senior Research & Design – 12th grade year

As a team, students will identify possible projects during the last six weeks of the Academy lab class and will narrow down the topic choices to one main project. Each team will find a community mentor (i.e. engineer from a local company) who will meet with and communicate with the team throughout the period of research.

In addition to the ASE specific courses, students are required to take at least one AP science course and one AP math course. (some restrictions apply)

Students must also participate in a certain number of volunteer or engineering related activities during their time in the Academy.

Applications

Applications will be available in the second semester. Announcements will be made in their science classes when the applications are available.

Questions may be directed to Davy Barrett or Dave Avis.

Texas Project Lead The Way (PLTW)

The PLTW **Engineering** (ENG) high school program is a sequence of courses which follows a proven hands-on, real-world problem-solving approach to learning. ENG courses complement traditional mathematics and science courses and can serve as the foundation for STEM-centered or specialized studies. During the first year of implementation, schools are required to offer at least one of the foundation courses and ultimately implement both foundation courses and one or more of the five specialization courses and/or capstone course.

ENG is designed to prepare students to pursue a post-secondary education and careers in STEM-related fields. Students are engaged through a combination of activities-based, project-based, and problem-based (APPB) learning. APPB learning not only creates an environment for applying engineering concepts to real problems, but also prepares students to solve problems, participate as part of a team, lead teams, speak to a public audience, conduct research, understand real-world impacts, analyze data, and learn outside the classroom. Even those students not intending to pursue further formal education will benefit greatly from the knowledge and logical thought processes that result from taking some or all of the courses provided in the curriculum.

Foundation Courses

Introduction to Engineering Design (IED, 1 year)

Principles of Engineering (POE, 1 year)

Computer Science and Software Engineering (CSE, 1 year)

Digital Electronics (DE, 1 year)



GUTHRIE CENTER CLASSES 2016-2017

BUSINESS & INDUSTRY ENDORSEMENT

AGRICULTURAL SCIENCE

ADVANCED ANIMAL SCIENCE
Grades: 11-12
ADVANCED PLANT AND SOIL
SCIENCE

Grades: 11-12
AGRICULTURAL MECHANICS
Grades: 10-12
EQUINE SCIENCE
Grades: 10-12
FLORAL DESIGN

Grades: 10-12
HORTICULTURE SCIENCE
Grades: 10-12
LIVESTOCK PRODUCTION
Grades: 9-12
OIL & GAS PRODUCTION 1
Grades: 9-12
PRINCIPLES OF AFNR
Grades: 9-12
SMALL ANIMAL MANAGEMENT
Grades: 9-12
VET MEDICAL APPLICATIONS
Grades: 11-12
WILDLIFE, FISHERIES, & ECOLOGY
Grades: 9-12

ARCHITECTURAL DESIGN

ARCHITECTURAL DESIGN
Grades: 10-12
ARCHITECTURAL DESIGN 2
Grades: 11-12
ARCH DESIGN PRACTICUM
Grades: 12

3D ANIMATION

3D ANIMATION
Grades: 9-12

3D ANIMATION 2 ADVANCED
Grades: 10-12
3D ANIMATION 3 | PRACTICUM
1
Grades: 11-12
3D ANIMATION 4 | PRACTICUM
2
Grades: 12

COMMERCIAL PHOTOGRAPHY

COMMERCIAL PHOTOGRAPHY
Grades: 9-12
COMMERCIAL PHOTOGRAPHY 2
Grades: 10-12
COM PHOTOGRAPHY PRACTI-
CUM
Grades: 11-12

FILMMAKING

FILM AND VIDEO PRODUCTION
Grades: 9-12
FILM AND VIDEO PRODUCTION 2
Grades: 10-12
FILM AND VIDEO PRACTICUM
Grades: 11-12

GRAPHIC DESIGN

GRAPHIC DESIGN
Grades: 9-12
GRAPHIC DESIGN 2
Grades: 11-12

CULINARY ARTS

CULINARY ARTS
Grades: 9-12
CULINARY ARTS 2 | ADVANCED
Grades: 10-12
CAFE OPERATIONS PRACTICUM
Grades: 11-12
CHEF TRAINING PRACTICUM
Grades: 11-12

HOTEL MANAGEMENT

HOTEL 1 | HOTEL & PRACTICUM
Grades: 10-12
HOTEL 2 | TRAVEL & PRACTI-
CUM 2
Grades: 11-12

COMPUTER TECHNOLOGY

COMPUTER MAINTENANCE
Grades: 9-12
CISCO NETWORKING 1
Grades: 10-12
CISCO NETWORKING 2
Grades: 11-12
COMPUTER TECHNICIAN
Grades: 11-12

GEO TECH 1 - GIS & PROGRAM-
MING
Grades: 10-12
GEO TECH 2 - GIS-RASTER &
REMOTE
SENSING
Grades: 11-12

PUBLIC SERVICES ENDORSEMENT

MEDICAL HEALTH SCIENCE

PHARMACY TECHNICIAN PRACTI-
CUM
Grades: 12
STERILE PROCESSING PRACTI-
CUM
Grades: 12

COSMETOLOGY

COSMETOLOGY | SALON SKILLS
Grades: 11-12
COSMETOLOGY 2 | ADVANCED
SKILLS
Grades: 12

CRIMINAL JUSTICE

COURT SYSTEMS AND PRACTI-
CES
Grades: 10-12
FORENSIC SCIENCE
Grades: 11-12
LAW ENFORCEMENT
Grades: 10-12
LAW ENFORCEMENT 2
Grades: 11-12
LEGAL RESEARCH AND WRITING
Grades: 11-12

NAVY JR RESERVE OFFICERS TRAINING CORPS

NAVAL SCIENCE 1, 2, 3 & 4
Grades: 9-12

ANY ENDORSEMENT

CAREER DEVELOPMENT

INTERNSHIPS
Grades: 11-12