



Elective Class Booklet

High School Course Selection

2020-2021

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Saint Thomas' Episcopal Course Offerings by Grade 2020 - 2021

9Th Grade	10Th Grade	11Th Grade	12Th Grade
English (Epics)	English (American Literature)	English (British Literature) or AP English Language & Composition	English (World Literature) or AP English Literature & Composition
Geometry	Algebra II or Algebra II with Trig	Precalculus, Calculus AB, AP Calculus AB, AP Calculus BC	Precalculus, Calculus AB, AP Calculus AB, AP Calculus BC, College Algebra, Finite Math, AP Statistics, Multivariable Calculus/Introduction to Differential Equations
Biology	Chemistry	Physics	Environmental Science, Geology, Anatomy & Physiology, or AP Science
Foreign Languages	Foreign Languages	Foreign Languages	Foreign Languages
European History	U.S. History or AP U.S. History	U.S. Government/ Economics or AP U.S. Government & Politics/AP Macroeconomics AP Human Geography	Western Philosophy
Foreign Languages Creative Writing Fine Arts Yearbook Intro to Computer Science Speech & Debate Bible Theatre Mock Trial Choir Orchestra PE/Pipe Band/Dance	Foreign Languages Logic Creative Writing Fine Arts Yearbook/Newspaper Intro to Computer Science AP Computer Science A Speech & Debate Bible Theatre 10 Pillars of Economics AP Biology AP Chemistry Mock Trial Choir Orchestra PE/Pipe Band/Dance	Foreign Languages Logic Creative Writing Fine Arts Yearbook/Newspaper Intro to Computer Science AP Computer Science A Speech & Debate Bible Theatre 10 Pillars of Economics AP Biology AP Chemistry AP European History History Mock Trial Choir Orchestra PE/Pipe Band/Dance Anatomy & Physiology	Foreign Languages Logic Creative Writing Fine Arts Yearbook/Newspaper Intro to Computer Science AP Computer Science A Speech & Debate Bible Theatre 10 Pillars of Economics AP Biology AP Chemistry AP Physics AP Comparative Gov. & Politics/AP Microeconomics AP Psychology AP Human Geography AP European History History Mock Trial Choir Orchestra PE/Pipe Band/Dance Teacher's Aide

****Core classes**

NINTH-TWELFTH GRADE ELECTIVE CLASSES

ENGLISH GRAMMAR CLASS

Grade 9-12

(1 or 2 semesters)

No prerequisite

(Not included in the GPA or on the transcript)

This class will supplement the regular grade-level English course for those who either do not pass the grammar proficiency test, those who do not pass the grammar entry test for the school, or those who score a "D" or lower in the second semester of the preceding year. Topics covered will include the basics of grammar - parts of speech, parts of the sentence, phrases, clauses, and usage, as well as punctuation and mechanics.

Another topic of study will be MLA style and research writing, since students will have to write at least one research paper per year of high school and many more in the course of their college careers. This course will support the studies of the regular English class and should be particularly useful for new students, students for whom English is not a primary language, or for students who struggle with grammar and mechanics or research writing. There will be occasional homework, but the general focus will be in helping students attain grade-level proficiency in their regular English classes without increasing their homework load.

Note: *Those who wish to improve their grammar and writing skills may take the course voluntarily.*

ACADEMIC CREDIT – Included in GPA

ANATOMY & PHYSIOLOGY

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Biology and Chemistry with an A or B.

Human Anatomy and Physiology is a course designed to investigate the structure and function of the human body. Topics covered will include anatomical terms and the basic organization of the body, biochemical composition, and all of the major body systems along with the impact of disease on certain systems. Students will engage in many topics and competencies related to understanding the structure and function of the human body. Students will learn through active engagement in class discussions, case studies, projects and dissection labs.

AP BIOLOGY

Grades 10-12

(2 semesters - 1 credit)

Prerequisite: Biology and Chemistry with an A (or concurrent enrollment in Chemistry)

AP Biology is an introductory college-level course equivalent to two-semester of college biology. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following eight units set out from CollegeBoard: chemistry of life, cell structure and function, cellular energetics, cell communication and cell cycle, heredity, gene expression and regulation, natural selection and ecology. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Most of the 13 required laboratory assignments will be completed after school from 3:30 p.m. - 5:00 p.m. Students are required to take the AP CollegeBoard exam and may earn up to eight hours of college credit.

AP CHEMISTRY

Grade 11-12

(2 semesters - 1 credit)

Prerequisite: Biology and Chemistry with A and Algebra II with B or better

AP Chemistry is a rigorous and challenging course that covers the chemistry and chemical principles typical of college and university general chemistry courses. Topics include chemical reactions, stoichiometry, states of matter, bonding, kinetics, thermodynamics, equilibrium and electrochemistry. Students attend five lecture periods per week and complete 16 laboratory assignments. Students are expected to take the AP college board exam and may earn up to eight hours of college credit. Summer work is required.

*Sitting for the AP Exam is required for this class.

ENVIRONMENTAL SCIENCE

Grade 12

(2 semesters – 1 credit)

Prerequisite: 3 years of science

This course is designed to cover various topics of environmental science including water, land and energy usage. The course will bring together fundamental concepts of chemistry and biology and will ask students to apply these concepts to local, regional and global environmental issues while focusing on topics that are

most relevant to current events.

GEOLOGY

Grades 11-12

(2 semesters – 1 credit)

Prerequisite: 3 years of science

This course focuses on the materials and processes shaping the Earth. Major topics include minerals; igneous, sedimentary and metamorphic rocks; plate tectonics, volcanoes and other igneous activity; earthquakes; crustal deformation and mountain building; surface water and groundwater; glaciers; petroleum; mapping; and geology of Texas.

This course is equivalent to college freshman Physical Geology. Fulfillment of this class will count as a 4th year science. This does not substitute for physics.

AP EUROPEAN HISTORY

Grade 11-12

(2 semesters - 1 credit)

Prerequisite: None

AP European History is an overview of the people, events, and ideas that shaped Western Civilization from 1450 - to the present. The course will introduce students to the cultural, economic, political, and social developments that played a fundamental role in shaping modern Europe. In addition to providing a basic narrative of events and movements, the goals of the course are to develop: (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

*Sitting for the AP Exam is required for this class

LATIN I

Grades 9-10

(2 semesters - 1 credit)

No prerequisite

This is the entry level course for Latin, required for all those wishing to take Latin who have not done so at STE. The Latin Curriculum at STE has two major objectives: 1) To teach comprehension of the Latin language for reading purposes. 2) To develop from the outset an understanding of the content, style, and values of Roman civilization, with special reference to the first century AD. The Course presents language not as an end in itself, but as a means of gaining access to literature and to the culture from which it springs. Our Latin program provides an enjoyable and carefully paced

introduction to the Latin language, complemented by background information on Roman culture and civilization.

This class follows the first and second book of the Cambridge Latin Course. The first semester students will explore the Roman town of Pompeii during the 1st Century AD, shortly before the eruption of Mount Vesuvius. The second semester students will venture to two totally different Roman provinces: Roman Britain and Egypt. The first year Latin curriculum provides the student with awareness that the history, mythology, and English language of Western culture have classical origins. The student learns to master the basic principles of Latin; acquires both a Latin vocabulary and an expanded English vocabulary; and focuses attention on Roman culture and lifestyles.

LATIN II

Grades 10-11

(2 semesters - 1 credit)

Prerequisite: Latin I

This is the second year Latin course offered. Latin Two builds upon the concepts learned in Latin I through further development of vocabulary acquisition and reading ability. Students will continue to identify the Latin bases of words in English and other languages. By developing a strong foundation in Latin and English grammar, students will sharpen their analytical skills, improving comprehension in both languages. This course will also emphasize the influence of Roman culture on modern life and literature. Students will develop an understanding of Latin grammar through reading about the victories, triumphs, romances, and conspiracies in the third volume of the Cambridge Latin Course. We will continue to read and translate Latin for comprehension, explore intense grammar with ease, build a working vocabulary, and explore Roman history and culture in Britannia and Rome itself!

LATIN III

Grades 10-12

(2 semesters - 1 credit)

Prerequisite: Latin I-II via CLC

In the first half of Unit 4 of the Cambridge Latin Course, the story reaches its climax and final denouement in and around the court of the Emperor Domitian. Students will continue to study the Latin language from a reading perspective, with more complicated sentence structure and linguistics. Students will learn grammatical features

such as the present subjunctive, indirect statement, conditional clauses, and more...building towards fluency in reading original Latin!

LATIN IV

Grades 10-12

(2 semesters - 1 credit)

Prerequisite: Latin I-III

This is a non-AP tracked Latin course. After Latin 3, students will take either our On-Level Latin 4 & 5 classes or follow the AP Track. Wrapping up the Cambridge Series, students will explore reading original Latin. There follows a selection of original texts by Roman authors (adapted where necessary), including Catullus, Ovid, Pliny, Tacitus, and Vergil. Students will participate in engaging activities to further deepen their reading of original Latin, but also develop from the outset an understanding of the content, style, and values of Roman civilization.

LATIN V

Grades 10-12

(2 semesters - 1 credit)

Prerequisite: Latin 1-4

In this non-AP Latin tracked course, students will explore reading original Latin. They will translate and explore a selection of texts by enticing Roman authors, including Catullus, Ovid, Horace, Martial, and Vergil. Students will read compelling stories in the original Latin such as Orpheus and Eurydice, Echo and Narcissus, and Daphne and Apollo. As the saying goes: these stories are not good because they're old - they're old because they're good! In addition, there will be a myriad of engaging activities to deepen the students' appreciation of Latin poetry, and to further their understanding of the content, style, and values of Roman civilization.

PRE-AP CAESAR/LATIN IV CAESAR

Grades 10-11

(2 semesters - 1 credit)

Prerequisite: Latin 1-3

In this first class of our AP Latin track, students will read and translate selections of Julius Caesar's *De Bello Gallico*. Throughout the course, students will examine how Julius Caesar used these reports of Gallic Wars to curry and maintain favor in Rome, despite his lengthy absence from the city itself. Students will study the context of Caesar's written passages, comprehend the reasons behind his particular style of writing, and

analyze the text. They will be expected to draw logical conclusions about the text, using the Latin as evidence for their assertions. This class will carry through to next year as students' study Vergil's *Aeneid*, gaining further Latin communication and critical analysis skills, and will culminate with the AP Exam in the following academic year, after reading both Caesar's *De Bello Gallico* and Vergil's *Aeneid*.

AP LATIN (VERGIL)

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Latin 1-3, PreAP Caesar/Latin IV Caesar

This is the second course of the AP Latin series. Students will read and translate selections of Vergil's *Aeneid*, a masterpiece by both classical and modern standards. Vergil's epic story and poetic techniques inspired and influenced countless artists and authors after him. We hope to convey enthusiasm and appreciation for this complex text and its political and cultural nuances to students in a way that inspires them to enjoy taking this course. Students will study the context of Vergil's written passages, comprehend the reasons behind his particular style of writing, and analyze the text. They will be expected to draw logical conclusions about the text, using the Latin as evidence for their assertions. In addition, they will learn to scan and recite dactylic hexameters so that they can see and hear how "meter" is used to enhance the text. By the time of the AP exam in May, students will be well-prepared to tackle the various sections of the exam: multiple-choice, translation, free-response essay, and short answer.

FRENCH I

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: None

This is an entry-level course of high school French. This class covers the information covered in French A and French B and prepares students for taking the French AP in three years. This is a conversational class and does require outside reading and reviews of French language movies to acclimate the student's ear to the written and spoken language. The student needs to have access to the internet to complete certain reading comprehension requirements.

FRENCH II

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: French I with C or better or instructor approval.

We continue the study of French grammar, vocabulary, and culture with our main text *Bon Voyage* and introduce students to selections from French literature and some history. Students have opportunities to interact in the target language and to give occasional oral reports on topics related to our curriculum. One French film is shown each semester for cultural enrichment and Listening Comprehension.

FRENCH III

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: French II

This course uses a college level textbook: *En Bonne Forme*, accompanied by CDs for listening comprehension and a workbook for additional practice. Instruction is mostly conducted in French. We study the subjunctive mood and the “passé simple” tense used in literature. We continue our program of intensive vocabulary building, which includes idioms and colloquial expressions. We supplement our reading with stories from *Le Petit Nicolas* by Sempé-Gosciny. We also continue our study of French history and civilization with the first half of the text *Trésors du Temps*. Films are shown occasionally to acquaint students with French culture.

FRENCH IV

Grade 11

(2 semesters - 1 credit)

Prerequisite: French III

We continue our multifaceted program of listening and reading comprehension, conversation, writing proficiency, vocabulary, and structure building through the study of French Literature and Civilization. We intensify the development of a solid grammar base. We use whole language instruction, a functional approach which emphasizes meaningful verbal and written communication based on the study of whole texts instead of isolated words and syntax. The students are also required to read internet articles on Francophone sites and to prepare written and oral reports on these articles, as well as personal journals. Our main texts are *En Bonne Forme*, *Trésors du Temps*, and Saint-Exupéry's *Little Prince* and *l'Avare* by Molière.

AP FRENCH LANGUAGE AND CULTURE

Grade 12

(2 semesters - 1 credit)

Prerequisite: French IV

The following objectives for French AP are outlined by the College Board:

The course should emphasize the use of language for active communication and help students develop the following:

- A. the ability to understand spoken French in various contexts
- B. a French vocabulary sufficiently ample for reading newspapers and magazine articles, literary texts, and other non-technical writing
- C. the ability to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French

Course content can reflect intellectual interests shared by the students and the teacher (the Arts, current events, literature, sports, etc.). Materials might well include audio and video recordings, films, newspapers, and magazines. The course seeks to develop language skills (reading, writing, and speaking) that can be used in various activities and disciplines rather than to cover any specific body of subject matter. Extensive training in the organization and writing of compositions should also be emphasized. In addition, we read a work of literature each semester, such as Pagnol's *Marius*, Sartre's *No Exit*, Molière's *Le Bourgeois Gentilhomme*, and Ionesco's *Rhinocéros*.

*Sitting for the AP Exam is required for this class.

SPANISH NOTE: *Native Spanish speakers will be interviewed by the chairman of the Spanish department to determine the best course of action for each, based on the student's level of competency.*

SPANISH I

Grades 9-12

(2 semesters – 1 credit)

Prerequisite: None

This is a novice low-intermediate low Spanish course. Spanish I is a beginning level class for students who have no or very little previous knowledge of Spanish. Students will need reliable access to the internet, because much of the homework will be completed on a digital platform. Students will practice all modes of communication: Interpersonal, Interpretive and Presentational. A solid grammar foundation will be constructed throughout the year.

SPANISH II

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: Spanish I or Department Approval

This is an intermediate low-Intermediate mid Spanish course. This course aligns grammar, vocabulary, and culture with the content introduced and practiced in Spanish I. Students will need reliable access to the internet, because much of the homework will be completed on a digital platform. Project-based learning will be taught and rigorous tasks that hone learners' skills will be emphasized. Students will have the opportunity to engage with authentic texts and literature and to experience Integrated Performance Assessments. Students will practice all modes of communication: Interpersonal, Interpretive and Presentational Communication. and regularly reflect upon and integrate freshly learned information

SPANISH III

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: Spanish II or Department Approval

This is an Intermediate mid- Intermediate high Spanish course. Students will engage in authentic communicative activities in cultural contexts. Students will need reliable access to the internet, because much of the homework will be completed on a digital platform. Real-world performance tasks and assessments such as emails, tweets, texting, podcasts, blog entries, interactive journals, website contests, and more are embedded throughout the course. Essential questions make up the framework of the year with in-depth activities that engage students with a diverse range of authentic texts, including videos, audios, articles, blogs, interviews, and literature gathered from Spain and Latin America. Significant, multi-level scaffolding accommodates a range of student language levels and makes challenging materials accessible.

SPANISH IV

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: Spanish III or Department Approval

This is a Pre-AP course. This course consists of not only a review of Spanish grammar, but also a more in-depth look at the basic-grammatical structure of the language. Students are expected to be able to take dictation and write 250-word essays on a selected topic, as well as

prepare skits and have "conversations" with the members of their groups. They should be able to present oral descriptions of photographs or a series of drawings or pictures as well. Students will read short stories and answer comprehension questions on them in complete sentences. To be eligible to take AP, the student needs to have maintained a B+ average in both semesters, and have a short interview with the instructor.

SPANISH AP LANGUAGE AND CULTURE

Grade 9-12

(2 semesters - 1 credit)

Prerequisite: Spanish IV or Department Approval

This is an Intermediate-High to Pre-Advanced Spanish course. It prepares students to take the Spanish language and culture AP exam and will be conducted entirely in Spanish. Students will need reliable access to the internet, because much of the homework will be completed on a digital platform. The class will begin with an intensive 6-week review of the previous 4 years at the end of which, the class will have learned all 16 conjugations of Spanish verbs. Students will also learn and practice vocabulary in massive quantities. As preparation for the AP exam, students will practice speaking, writing essays, orally answering taped questions, and reading authentic Various projects will also be assigned each 6-weeks.

CHINESE I

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: None

This course is offered to students who have little or no Mandarin Chinese language background. The course will provide instruction in all four language skills (listening, speaking, reading, and writing). It will also cover the Chinese pinyin Romanization system, simplified character writing, and grammar. Students will learn basic conversational skills via situational activities and tasks in class. In addition, students will be required to use Chinese typing skills as a means of learning Chinese.

CHINESE II

Grades 9-12

(2 semesters - 1 credit)

Prerequisite: Chinese I or take Chinese I placement test

This course will emphasize development of vocabulary, grammar, and sentence patterns in a meaningful context. Students will develop language competency

ranging from simple expressions to complex structures. The integrated activities in class will provide students the knowledge of Chinese culture and practice in communicative skills. Students will be required to construct narrative writings and orally perform in a variety of situations.

CHINESE III

Grades 10-12

(2 semesters - 1 credit)

Prerequisite: Chinese II or take Chinese II placement test Mandarin Chinese III will introduce more authentic materials including a wide variety of educational tools for students. Students will do more sophisticated reading and writing on various cultural topics. Chinese idioms, proverbs, and colloquial usages will be implemented into the curriculum to enhance students' comprehension. Students are expected to reach higher levels of proficiency in terms of all language skills.

AP CHINESE LANGUAGE AND CULTURE

Grades 10-12

(2 semesters - 1 credit)

Prerequisite: Chinese III or take Chinese III placement test This course aims at further development of knowledge and proficiency of Chinese language and culture. Class instruction will be in Chinese only, except for some grammar explanations. The course objectives will be aligned with National Standards for Foreign Language Learning - the five Cs (communication, culture, connections, comparisons, and communities). Class materials and activities will engage students in the exploration of various cultural issues and language learning, which also prepares students for SAT Chinese and AP Chinese exams.

*Sitting for the AP Exam is required for this class.

INTRODUCTION TO COMPUTER SCIENCE & JAVA

Grades 9-12

(2 semesters - 1 credit) (meets every day)

Prerequisite: None

This course is an introduction to Computer Science and an introduction to Java. We start with an overview of computers and then present the basic elements of Java. The midterm grade will be partially based on a little programming project. In the second half of the year we alternate computer science topics with more advanced Java elements. We conclude with Social and Ethical Issues and a final project.

* **All students must be approved.**

AP COMPUTER SCIENCE A

Grades 10-12

(2 semesters - 1 credit)

Prerequisite: Intro to Computer Science and Java

AP Computer Science A is equivalent to a first-semester, college level course in computer science. This course will introduce students to fundamental topics in computer science by using the Java language. Following the indications of the College Board we will teach how to approach problem solving with computers. We will place special focus on program design strategies and methodologies, on the organization of data (data structures), on data processing (algorithms), and on algorithms analysis. Moreover, the ethical and social implications of computing will be discussed. The course will emphasize both object oriented and imperative programming to prepare the student to handle both paradigms. This class has a Lab requirement.

*Sitting for the AP Exam is required for this class.

YEARBOOK / NEWSPAPER

Grades 9-12

(2 semesters - 1/2 credit)

Open to students entering 9th, 10th, or 11th grades and returning staff members entering 12th grade. The STE yearbook is widely recognized as one of the top books in the country. Join us.

We need: reporter/writers, photographers, designers, and ad sales people to work with state-of-the-art Apple computers and Adobe software to prepare the 2021 edition. We also need people for the staff of our online newspaper, The Turf. Pick up an application in the Yearbook Room (G-4).

Important, please read: New staff members MUST: (1) register for the class AND (2) complete and turn in the application. *If you do not turn in a completed application, you will be dropped from the class.*

There is a mandatory workshop for ALL staff members, the Monday and Tuesday before school starts: August 17 and 18 from 9 a.m. to 4 p.m. Please arrange your vacation schedules so you can attend. We encourage interested staff members to attend the Balfour Texas A&M Journalism Workshop July 17-19 in College Station. Cost is approximately \$340 (slightly more for photography track students) for instruction, meals and room. Come to the yearbook room(G-4) or email graves.david@stes.org for registration packet (available

soon). Editors are expected to attend, and returning staff members may apply to attend the Dallas Editors Workshop Tuesday, June 9 - Thursday, June 11. Cost is \$300. For more information contact David Graves in the Yearbook Room(G-4), 713-443-6983, or email graves.david@stes.org.

STUDIO ART

Grades 9-12 (meets everyday)

(2 semesters - 1 credit)

Prerequisite: None

This class is structured for the student that exhibits an interest in developing their artistic voice as well as gaining a strong foundation in perceptual design skills that may be applied in college level art. Prior knowledge is used in projects designed to engage the student's creative skills and to demonstrate a direct relevance to their individuality. Students anticipating the need for a college portfolio or an AP class should plan to take Studio Art for 3 years.

AP ART DRAWING, AP 2-D ART & DESIGN, OR AP 3-D ART & DESIGN

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: In the spring:

1. *Interview with the AP teacher for approval to register*
2. *Present a portfolio of 7 college level quality pieces, and a daily sketchbook*
3. *Pass a test demonstrating mastery of skills and vocabulary*
4. *Mandatory attendance of a seminar during finals week where summer schedules and assignments are given*

Summer Assignment:

1. *Completion of 12 additional portfolio pieces to equal a total of 15 college quality pieces*
2. *Establish "Sustained Study" (common theme) for 12 pieces*

A total of 20 college quality pieces must be completed by April 1, accompanied by a written commentary describing the process and synectic development of each art work.

This class is offered to students who are contemplating careers in art related fields. Students must be highly motivated, able to work independently while setting challenges for themselves that will emphasize art making as an ongoing process that exhibits informed and critical decision-making.

Students must:

- have a willingness to devote considerable time and effort to the study of art, including a minimum of 4 hours of homework a week
- follow a sequential curriculum structured for increasing quality, and a deep investigation into a sustained study of their artistic voice

ART

Grades 9-12

(2 semesters - 1/2 credit)

Prerequisite: None

A classical introduction to the basics of art is presented to the students. Drawing, designing, painting and sculpting from "real life" gives the artist a strong foundation. Imagination and creativity are awakened by encouraging the student to experiment with a variety of techniques, processes and media; developing a well-rounded, self-confident artist. Art history is blended with each project, spotlighting a master artist along with a contemporary artist, creating an impetus for the student to explore his environment and express himself visually with a distinctive individual style. Students anticipating the need for a college portfolio should refer to Studio Art.

CREATIVE WRITING

Grades 9-12

(2 semesters - 1/2 credit)

Prerequisite: None

Students enrolled in this class will examine various aspects of the creative process in writing fiction and poetry. Our focus will be on writing short fiction, and we will look at the different genres in today's markets. We will also learn basic elements of crafting short stories by looking at plotting, developing characters that readers will find interesting, themes, the narrative hook, and dialogue. There are contests and markets that are open to student submissions. This information will be provided for any student interested. In at least one marking period, students will try their hands at writing poetry. There will be writing assignments and exercises each marking period and students should be willing to read these in class for comments. This class is limited to 15 students.

LOGIC

Grades 10-12

(2 semesters - 1/2 credit)

Prerequisite: None

This course has three intended goals. The first is to introduce students to contemporary symbolic logic. The second is to give students a better awareness of arguments that they will read and hear every day. And the third is to give them some of the tools they will need to test the validity of these arguments.

BIBLE

Grades 9-12

(2 semesters – 1/2 credit)

Prerequisite: None

The purpose of this course is to give students a general knowledge and appreciation of the Bible. Each year, the course will include both a general discussion of the scripture and an in depth study one of the sections of the Bible. Students will become familiar with the Bible while seeing Jesus Christ in the Old Testament and knowing the person of Jesus Christ in the New Testament. The students will examine the word of God as both “living and powerful” (Hebrews 4:12a) and “inspired and profitable” (II Timothy 3:16). The class will meet every other day and is open to 9-12 graders. The course can be taken each year of high school, as the focus of study will rotate every four years. Topics for each year are as follows:

2016–2017 Old Testament Books of History

2017–2018 Old Testament Books of Wisdom and Prophecy

2018 – 2019—New Testament Gospels and Acts

2019 – 2020—New Testament Epistles and Revelation

SPEECH AND DEBATE

Grades 9-12

(2 semesters)

Prerequisite: None

This course provides an opportunity to study fundamental speech techniques and to apply these skills to formal debate and individual speeches. In order to learn from the best and improve our debating and speaking acumen, there will also be a fair amount of perusing some works of the great Lewis and Tolkien such as Lewis’s “Subjectivism,” “Man or Rabbit?,” “The Weight of Glory,” “Myth Became Fact,” *The Abolition of Man*, *The Great Divorce*, and *The Screwtape Letters* and Tolkien’s “Lost Speech,” black speech, speech between Gandalf and Sauron, “All That is Gold Does Not Glitter,”

and introduction from *The Silmarillion*. By visiting these works, studying rhetorical weapons, and doing battle with their merits, we will help martial our skills and sharpen our abilities. We will also use topics that arise from their works to conduct on the classroom battlefield heavenly speeches and debates. This course is experience-based and will enhance student skills in the following areas: public speaking, listening, critical thinking, argument formation and refutation, and research.

THEATRE

Grades 9-12

(2 semesters - 1/2 credit)

Prerequisite: None

This class is designed to explore the many different areas of theatre including directing, acting, and technical theatre. Exposure to acting/directing will be through exercises, scene work, creative dramatics (including improv) and discussions of acting styles and teachers. Students will be exposed to technical theatre by study of the different areas of tech theatre and by preparing for school productions. Each semester will culminate with a final project. All students will be required to participate in some aspect of major school productions and the high school showcase performance. All students are encouraged to join the International Thespian Society.

TEN PILLARS OF ECONOMICS, Level 1

Grades 10-12

(2 semesters - 1/2 credit)

Prerequisite: None

The Ten Pillars are economic principles that address the management of resources, production, and trade as well as the role of workers, consumers, and government in a free society. These Pillars provide a framework within which to study the Free Enterprise System and its foundation on the principles of Private Property, Free Markets, and a Representative Government limited by the Rule of Law. The course analyzes the economic forces involved in the choices people make and the actions they take as they seek to provide for their material welfare through the production and exchange in the marketplace. Students learn to evaluate the economic impact of current issues and government policies on individuals, special interest groups, and the economy as a whole.

NON-ACADEMIC CREDIT (Not included in GPA)

Mock Trial

Grades 9-12

(2 semesters - 1/2 credit)

Mock Trial is a class open to 9th - 12th grade students. Students will learn the fundamentals of trial practice and will have the opportunity to play the roles of both attorneys and witnesses in a simulated trial. It is a great way for students to gain insight on how our judicial system works and gain confidence speaking in front of others while having a lot of fun at the same time. For those students who try out for and make the Mock Trial team (listed under clubs), the competition consists of 7-10 high school students which must learn both sides of a case (Prosecution/Plaintiff and Defense) and students must play the roles of both attorneys and witnesses in a mock trial. Members work together to learn the facts of the case and create strategies for trial and then can compete in local-area meets.

This class is an excellent way for any student who wishes to improve his or her ability to analyze facts and present a compelling argument, improve public speaking skills and the ability to think on one's feet, and to improve his or her overall self-confidence.

CHOIR

Grades 9 - 12

(2 semesters - ½ credit)

Prerequisite: Students new to STE and/or choir should contact Mrs. Crownover

Choir students enjoy singing and performing sacred, classical, folk, pop, and other secular music. Singers are encouraged to compete for TPSMEA Regional and All State Choirs, as well as individual and small group contests. Students learn music theory and sight reading, and are vocal leaders in the chapel service. Public concerts are held at Christmas, in the spring, and at Graduation. The choir will travel to Lichfield, Staffordshire, UK in the summer of 2021. Students may elect to enroll in class held during the regular school day or in a 7:00 am class. Students are required to purchase approved concert attire.

PIPE BAND

Grades 9-12

(2 semesters - 1/2 credit)

Prerequisite: Instructor approval

Students involved in the band program will receive first-class instruction on the Great Highland bagpipe or

Scottish snare, tenor, or bass drum. Participation in any of the A, B, or C bands requires students to compete in pipe band competitions and perform at select school functions. Students who reach the A band earn the chance to perform in Scotland and to compete in the World Pipe Band Championship in Glasgow. All band members participate in the annual Scottish Festival. Counts as a P.E. credit.

ORCHESTRA

Grades 9-12

(2 semesters - 1/2 credit)

Prerequisite: New students must audition prior to enrollment.

Students with prior experience and the appropriate level of note reading and technical skills on violin, viola, cello, and bass will be instructed in orchestral technique, ensemble, and performance. Performing opportunities include Christmas and spring concerts, Chapel services, regional and state competitions, graduation, and community concerts and activities. Students new to Saint Thomas' must schedule an audition with Ms. Lofthouse.

MANDATORY ATHLETIC REQUIREMENTS

Grades 9 -12

High school students are required to earn 2 credits of Physical Education within four years. Athletic credits may be earned through participation in P.E. classes or Athletics - with a maximum of one credit per year. For the first four semesters, credit will be assigned, and athletic participation will be indicated on the transcript at the end of the semester. If students participate in Athletics after these credits have been earned, no credit will be given, although participation will be shown on the transcript. Credit will be entered on the transcript at the end of each semester after the sport has been completed.

Credit may be earned for the following sports:

Soccer (boys & girls)	Swimming (boys & girls)
Baseball (boys)	Basketball (boys & girls)
Volleyball (girls)	Track (boys & girls)
Softball (girls)	Golf (boys & girls)
Tennis (boys & girls)	Sailing (boys & girls)
Cross Country (boys & girls)	Highland Dancing

PHYSICAL EDUCATION

Grades 9-12

(2 semesters - 1/2 credit)

Prerequisite: None

Students will learn principles of physical fitness and wellness. The class will include strength, conditioning, and sport-specific skill related components.

HIGHLAND DANCING

Grades 9-12

(2 semesters - 1/2 credit)

Prerequisite: None

Highland Dancing is open to all students. Students who participate in highland dancing will perform in the annual Scottish Festival. Students may also participate in Medals Tests. Counts as a P.E. credit.

ELECTIVE CLASSES – NO CREDIT

STUDY HALL

Grades 9-12

(2 semesters - 0 credit)

Prerequisite: None

Study Hall provides a supervised environment in which students may complete homework, read quietly for a class, or get ahead in their studies. Each student is required to come to Study Hall with all of the materials necessary to complete at least two assignments or tasks. Extra texts and computers will be available for the students' use. Students may utilize this time to meet with teachers, tutors, or study buddies on an as-need basis. Please note that Study Hall is a respected and serious workspace, designed to be a productive environment for each student – chatting and wasting time is not allowed. Consistent inability to follow Study Hall procedures, distracting neighbors, or poor conduct will lower homeroom conduct grades. Persistent poor behavior will result in removal from Study Hall permanently.

TEACHER'S AIDE

*Grade 12 **Need approval*

Students will be assigned to a teacher (lower school is the priority). Students will work directly for a teacher and will help with grading and projects.

SOPHOMORE CORE ELECTIVES

AP U.S. HISTORY

Grade 10

(2 semesters - 1 credit) Prerequisite: None

This course covers the entire spectrum of U.S. History from the pre-Columbian period to the present. It requires high-level writing and analytical skills.

*Sitting for the AP Exam is required for this class.

JUNIOR CORE ELECTIVES

AP ENGLISH LANGUAGE AND COMPOSITION

Grade 11

(2 semesters – 1 credit)

Prerequisites: Completion of all Required Reading books, grammar proficiency, and brief interview with AP teacher.

This course surveys major works of British literature. Students read Geoffrey Chaucer's *Canterbury Tales*, Shakespeare's *King Lear* or *Macbeth*, John Milton's *Paradise Lost*, Jane Austen's *Pride and Prejudice*, Mary Shelley's *Frankenstein*, Charles Dickens's *Great Expectations*, and T.S. Eliot's *Murder in the Cathedral*. In addition, students will read, discuss, and analyze nonfiction, poetry, and film read in conjunction with longer works of literature. Students are expected to participate in meaningful class discussion on literature and literary theory.

Students will write an argumentative research paper and a well-researched literary analysis in addition to shorter in-class essays. Writing practice, AP drills, vocabulary, and grammar are ongoing throughout the school year. Time will also be spent on writing college application essays well.

AP students will read significantly more nonfiction texts than the 11th grade English class, and they will write timed essays in preparation for the national AP exam.

*Sitting for the AP Exam is required for this class.

AP US GOVERNMENT & POLITICS/AP MACROECONOMICS

Grades 11-12

(2 semesters – 1 credit)

AP US GOVERNMENT & POLITICS (1ST semester)

Prerequisite: U.S. History with a grade of 90 or higher; recommendation of U.S. History instructor

This elective provides an analytical perspective on

government and politics in the United States. This course involves both 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.

Required summer activities are as follows:

Book: *Hardball: How Politics is Played Told by One Who Knows the Game* by Chris Matthews

*See instructions in summer packets for deadlines.

*Sitting for the AP Exam is required for this class.

AP MACROECONOMICS (2nd semester)

Prerequisite: No prerequisites are required. (Calculus is not required for the course. All mathematical computations on the AP Exam can be done without the use of a calculator. Graphing skills, however, are imperative.)

This course is designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price determination, and develops familiarity with economic performance measures, economic growth, and international economics. Students will learn how a nation's economic performance is measured, with a primary emphasis in the areas of national income and price determination. Issues of international trade and future economic growth will also be studied.

*Sitting for the AP Exam is required for this class.

AP HUMAN GEOGRAPHY

Grade 11-12

(2 semesters - 1 credit)

Prerequisite: None

AP Human Geography is a yearlong course that focuses on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the Course Description: Nature of and Perspectives on Geography, Population and Migration, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. Successful students must be active participants in class discussion and debate. They must be critical thinkers and willing to explore the world from a variety of lenses. They must be able to recognize and interpret the relationships among patterns and

processes at different scales of analysis and understand interconnections among places.

*Sitting for the AP Exam is required for this class.

PRECALCULUS

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Algebra II

In this course, students will extend topics introduced in Algebra II and learn to manipulate and apply more advanced functions and algorithms. This course provides a mathematically sound foundation for students who intend to study Calculus. Some topics include: Relations and Functions, Exponential and Logarithmic Functions, The Trigonometric Functions, Trigonometric Identities, and Applications of Trigonometry.

CALCULUS AB

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Precalculus (with a grade of 80 or better) or Algebra II with Trig

Calculus provides a study of differential and integral calculus at a pre-AP level. This course will provide students who have a thorough knowledge of analytical geometry, algebra, and trigonometry the opportunity to greatly expand their mathematical knowledge and prepare for further studies in calculus, engineering, and science. This course is not designed to prepare students for the AP exam.

AP CALCULUS AB

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Algebra II with Trigonometry (with a grade of 90 or better) or Precalculus (with a grade of 90 or better)

Calculus provides a study of differential and integral calculus at an AP level. This course will provide students who have a thorough knowledge of analytical geometry, algebra, and trigonometry the opportunity to greatly expand their mathematical knowledge and prepare for further studies in calculus, engineering, and science. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus.

*Summer work may be required prior to the first day of school.

*Sitting for the AP Exam is required.

SENIOR CORE ELECTIVES

AP ENGLISH LITERATURE AND COMPOSITION

Grade 12

(2 semesters – 1 credit)

Prerequisites for this course are 1) completion of all Required Reading books, 2) grammar proficiency, and 3) completion of selected chapters of Plato's Republic during the summer preceding the senior year.

The AP Literature and Composition course provides an in-depth examination of several of the most influential voices of world literature. Students will write a literary research paper on *Hamlet* and will also undertake examinations of selected poems. Essay writing, grammar practice, and vocabulary enhancement are ongoing throughout the school year.

An occasional writing lab or AP practice will be called. Writing assignments will tend to be timed assignments completed in class to better prepare students for the experience of writing timed essays during the AP exam. Students in the AP-level literature class are expected to examine more deeply the philosophies and politics of the following works:

<i>Inferno</i> , Dante	<i>Purgatorio</i> , Dante
<i>Paradiso</i> , Dante	<i>The Republic</i> , Plato
<i>Utopia</i> , More	<i>Heart of Darkness</i> , Conrad
<i>The Prince</i> , Machiavelli	<i>Pride and Prejudice</i> , Austen
<i>Hamlet</i> , Shakespeare	<i>Tess of the D'Urbervilles</i> , Hardy
<i>Gulliver's Travels</i> , Swift	<i>Brave New World</i> , Huxley
<i>Antigone</i> , Sophocles	Various poetry selections

*Sitting for the AP Exam is required for this class.

AP PHYSICS C: MECHANICS

Grade 12

(2 semesters - 1 credit)

Prerequisite: 11th Grade Physics with A; completed or concurrently enrolled in Calculus

The AP Physics C Classical Mechanics course is equivalent in content, depth and complexity to a one semester calculus-based physics course at the freshman college level for science and engineering majors. This course is designed to prepare the student to excel on the AP Physics C Classical Mechanics exam (a score of 4 or 5 on this exam will enable the student to place-out of the first semester college level course at most universities, including University of Texas and Texas A&M). AP Physics is an in-depth, content-intensive study of physical principles that allows students the opportunity to solve real world applied problems as well as to engage in hands-on experimentation. Units of study for the Classical Mechanics AP course include:

vector mathematics, kinematics, Newton's Laws of motion in multiple dimensions, conservation laws (momentum and energy), simple harmonic motion, rotational dynamics, gravity and orbital mechanics. Students signing-up for the classical mechanics AP course are required to have an A in the 11th grade physics course (or obtain the approval of the instructor). *Sitting for the AP Exam is required for this class.

AP PHYSICS C: ELECTRICITY AND MAGNETISM

Grade 12

(2 semesters - 1 credit)

Prerequisite: Students signing-up for the classical mechanics and electricity and magnetism AP course are required to have an A in the 11th grade physics course (or obtain the approval of the instructor).

The AP Physics C Electricity and Magnetism course is equivalent in content, depth and complexity to a one semester calculus-based physics course at the freshman college level for science and engineering majors. This course is designed to prepare the student to excel on the AP Physics C Electricity and Magnetism exam (a score of 4 or 5 on these exams will enable the student to place-out of the college level course at most universities, including University of Texas and Texas A&M).

AP Physics is an in-depth, content-intensive study of physical principles that allows students the opportunity to solve real world applied problems as well as to engage in hands-on experimentation. Units of study for the Electricity and Magnetism portion of the course include: Coulomb force, electric fields, electric potential, resistance and resistivity, electric currents (DC and AC), circuits, capacitance, magnetic fields and Maxwell's equations.

*Sitting for the AP Exam is required for this class.

AP COMPARATIVE GOVERNMENT & POLITICS/AP MICROECONOMICS

Grade 12

(1 semester – 1 credit)

Students may enroll in one of these semester-long classes independently of the other.

Prerequisite: U.S. Government

AP COMPARATIVE GOVERNMENT & POLITICS (1st semester)

This is a college-level political science course that provides students with a concrete understanding of the scientific method behind political comparison, a

well-developed sense of political theory, and a “real world” understanding of global studies through the comparative analysis of 6 different countries: Great Britain, Iran, Russia, China, Mexico and Nigeria. The course has a heavy reading load: students will use a college-level textbook, and will be required to read three full-length memoirs and several AP Briefing Papers. Students will participate in seminars, simulations, discussions, and debates to develop their understanding of each country studied. Students will learn to analyze the relationship between 1) state and society and 2) the citizen and the state, and will compare the structure of governmental institutions in different countries to learn how each structure affects society in general and individuals in particular. Upon completion of the course, students will be equipped to understand and evaluate geopolitical issues in an informed, scientific manner.

*There is required summer reading and a summer assignment for this course: *The World is Flat*, by Thomas L. Friedman.

*Sitting for the AP Exam is required for this class.

AP MICROECONOMICS (2nd semester)

Grade 12

(1 semester – 1 credit)

Prerequisite: AP Macroeconomics (Calculus is not required for the course. All mathematical computations on the AP Exam can be done without the use of a calculator. Graphing skills, however, are imperative.)

The purpose of this course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students will gain an understanding of principles that apply to individual consumers within the larger economic system. The primary emphasis of study will be focused on product markets, factor markets, and the government’s role in promoting greater competition, efficiency, and equity in the economy.

*Sitting for the AP Exam is required for this class.

ENVIRONMENTAL SCIENCE

Grade 12

(2 semesters – 1 credit)

Prerequisite: 3 years of science

This course is designed to cover various topics of environmental science including water, land and energy usage. The course will bring together fundamental concepts of chemistry and biology and will ask students to apply these concepts to local, regional and global environmental issues while focusing on topics that are most relevant to current events. The course will be lab based and will necessitate that students make time after and during school for laboratory work. There will be a three-day ecological field trip to the Texas Hill Country.

(Tentative Trip Fee - approximately \$350).

GEOLOGY

Grades 11-12

(2 semesters – 1 credit)

Prerequisite: 3 years of science

This course focuses on the materials and processes shaping the Earth. Major topics include minerals; igneous, sedimentary and metamorphic rocks; plate tectonics, volcanoes and other igneous activity; earthquakes; crustal deformation and mountain building; surface water and groundwater; glaciers; petroleum; mapping; and geology of Texas.

This course is equivalent to college freshman Physical Geology. Fulfillment of this class will count as a 4th year science. This does not substitute for physics.

PRECALCULUS

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Algebra II

In this course, students will extend topics introduced in Algebra II and learn to manipulate and apply more advanced functions and algorithms. This course provides a mathematically sound foundation for students who intend to study Calculus. Some topics include: Relations and Functions, Exponential and Logarithmic Functions, The Trigonometric Functions, Trigonometric Identities, and Applications of Trigonometry.

CALCULUS AB

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Precalculus (with a grade of 80 or better) or Algebra II with Trig

Calculus provides a study of differential and integral calculus at a pre-AP level. This course will provide students who have a thorough knowledge of analytical geometry, algebra, and trigonometry the opportunity to greatly expand their mathematical knowledge and prepare for further studies in calculus, engineering, and science. This course is not designed to prepare students for the AP exam.

AP CALCULUS AB

Grades 11-12

(2 semesters - 1 credit)

Prerequisite: Algebra II with Trigonometry (with a grade of 90 or better) or Precalculus (with a grade of 90 or better)

Calculus provides a study of differential and integral calculus at an AP level. This course will provide students who have a thorough knowledge of analytical geometry, algebra, and trigonometry the opportunity to greatly expand their mathematical knowledge and prepare for further studies in calculus, engineering, and science. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus.

*Summer work may be required prior to the first day of school.

*Sitting for the AP Exam is required.

AP CALCULUS BC

Grade 11-12

(2 semesters - 1 credit)

Prerequisite: AP Calculus AB (with a grade of 90 or better) or Calculus AB (with a grade of 95 or better)

This challenging course will provide students who have a thorough knowledge of analytical geometry, algebra, and trigonometry the opportunity to greatly expand their mathematical knowledge and prepare for further studies in mathematics, science, and engineering. AP Calculus covers the first two semesters of college-level Calculus. Most U.S. colleges and universities grant advanced placement and/or credit for one or two semesters of Calculus for certain AP Calculus exam scores. To find out a specific institution's policy, consult its catalog or website. It includes all topics in AP Calculus AB plus: polar calculus, vectors, and infinite

series.

*Summer work may be required prior to the first day of school.

*Sitting for the AP Exam is required.

COLLEGE ALGEBRA

Grade: 12

Prerequisite: Precalculus or Algebra II with Trig

This is our most advanced course of Algebra. It provides an extensive review of high school Algebra, deepens concept understanding, and explores in detail problem-solving techniques. It applies to students who have completed at least one year of high school Algebra, and it targets learners wishing to pursue a university degree that requires mathematical skill at a non-Calculus level. This course is not offered every year.

FINITE MATH

Grade 12

(2 semesters - 1 credit)

Prerequisite: Precalculus or Algebra II with Trig

This course is designed to prepare the student for introductory college mathematics. Finite Math provides a review of topics covered in Algebra. Additional topics include: matrices, finance mathematics, and an introduction to probability and statistics. This course is not offered every year.

AP STATISTICS

Grade 12

(2 semesters - 1 credit)

Prerequisite: Precalculus (with a grade of 85 or better) or Algebra II with Trig (with a grade of 85 or better)

AP Statistics is a rigorous college-level course taught based upon the AP curriculum. The course includes topics on experimental design, data collection, statistical testing, and drawing valid conclusions based on the data. Students completing the course will be prepared for the AP Statistics Advanced Placement Examination.

*Sitting for the AP Exam is required for this class.

MULTIVARIABLE CALCULUS/INTRODUCTION TO DIFFERENTIAL EQUATIONS

Grade 12

(2 semesters - 1 credit)

Prerequisite: AP Calculus BC (with a score of 4 or 5 on the AP test/component and department approval)

Model a simple physical system to obtain a first order differential equation. Test the plausibility of a solution to a differential equation by physical reasoning,

looking at the graph, and testing extreme cases. Visualize solutions doing direction fields and approximating them with Euler's method. Find and classify the solution of a first order autonomous equation. Topics include: Multivariable Calculus: Vectors and matrices, Parametric Curves, Partial Derivatives, Double and Triple Integrals, Vector Calculus in 2- and 3-space.

*Summer work may be required prior to the first day of school.

AP HUMAN GEOGRAPHY

Grade 11- 12

(2 semesters - 1 credit)

Prerequisite: None

AP Human Geography is a yearlong course that focuses on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the Course Description: Nature of and Perspectives on Geography, Population and Migration, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. Successful students must be active participants in class discussion and debate. They must be critical thinkers and willing to explore the world from a variety of lenses. They must be able to recognize and interpret the relationships among patterns and processes at different scales of analysis and understand interconnections among places.

*Sitting for the AP Exam is required for this class.

AP PSYCHOLOGY

Grade 12

(2 semesters - 1 credit)

AP Psychology is an introductory course to the study of psychology, the systematic and scientific study of behavior and mental processes.

Students will learn about the various subfields of psychology including major experimental findings, principles, and phenomena as well as the leading psychologists in these fields. The first semester will emphasize biological structures and functions. The second semester of the course will focus on experimental procedures and ethics in research in addition to developmental and social psychology.

*Sitting for the AP Exam is required for this class.

CLUBS AND ACTIVITIES

JUNIOR CLASSICAL LEAGUE

Prerequisite: Must be enrolled in Latin class or have completed AP Latin/Latin V

Want to supplement your love of Latin with competitions, creative projects, and digging deeper into the past? Consider joining the Junior Classical League! In this club of over 100 students, we learn about Ancient Roman and Greek mythology, history, art, language, and more! Activities will prepare students for competitions and include projects relating to Certamen, Graphic Art, Performance, Creative Arts, Olympika (Athletics) & Ludi (Games), and Academics. We compete throughout the year in Texas as well as a trip each summer to the National JCL Convention.

As members of the National Junior Classical League as well as the Texas State Junior Classical League, students gain access to scholarships as well as academic and leadership opportunities. The JCL believes an acquaintance with the civilization of Greece and Rome will help us understand and appraise this world of today, which is indebted to the ancient civilization in its government and laws, literature, language and arts. The Junior Classical League is the largest classical society in the world and we welcome you to be a part of it. Please meet with Magistra Beinemann for more information!

STUDENT FOUNDATION

Student Foundation is the student government organization for the Upper School. Members are elected by their homerooms as well as other organizations on campus. Student Foundation meets once a week and tackles issues important to the student body. The Foundation's motto is "Anything for St. Thomas" so many of the clubs' duties revolve around supporting and encouraging the upper school student body and faculty.

THEATER PRODUCTIONS

All sixth through twelfth graders are invited to participate in the St. Thomas' Fall and Spring Productions. (in some cases, grades 4 & 5 are invited to audition for children's roles) Auditions times for actors and interviews for technicians will be posted throughout the campus.

Students are involved in every aspect of production. We encourage all of our students and parents to come and see our Saint Thomas' Superstars!

HOPE CLUB (HELPING OPEN PEOPLE'S EYES)

HOPE Club meets every other Wednesday at lunch and is open to all students 9-12 grade. The club's mission is to involve the St. Thomas' Episcopal student body in acts of community service. The club has volunteered at various events ranging from shelters, food banks, etc.

AWAKEN THE DAWN

Awaken the Dawn is a student led Bible study that meets every Tuesday morning before school in the theatre. The non-denominational Bible study begins with praise music and ends with scripture reading and a Biblical lesson. All students are welcome to attend!

MOCK TRIAL

Mock Trial is a program in which students try out for a spot on a team of 7-10 students. Please note that this is separate from the Mock Trial elective offered during the school day - the team practices after school and on Saturdays from October through February.

The team participates in rehearsed trials to learn about the legal system in a competitive manner. Through Mock Trial, students develop critical thinking skills, obtain public speaking experience, and gain exposure to the legal profession.

The Regional meet is usually held on a weekend between January 15-February 15 at a local courthouse or legal institution in Houston. The winner of this meet will then advance to the State Competition in Dallas, TX held the first weekend of March during the current school year. The final champion team will then represent the Great State of Texas at the National High School Mock Trial Competition held in May (usually the first or second weekend).

MATH AND SCIENCE CLUB

The Math and Science Club gives students an opportunity to gather and discuss math and science related topics.

The Math and Science Club Fields Science Bowl Teams that compete in the Dept. of Energy's Science Quiz Bowl Competition each year. Students meet during lunch year round. Lectures on enrichment topics and demonstrations are balanced with quiz bowl games. The club also offers several social events throughout the year that help raise math and science awareness in the community, including the annual Mole day (October 23) celebration and Pi day (March 14) pie contest. Contact Dr. Castillo for more information.

QUIZ BOWL

Quiz bowl is an academic team that is all about learning, competing, and improving. We strive to not only learn and understand new things, but to enjoy the experience of using what we have learned in Jeopardy-style team competition. If you have ever played Trivial Pursuit, or people have wondered how you knew that random fact at just the right time, or you feel the need to share with the world your encyclopedic knowledge of Romantic-era poets, the Fibonacci Sequence, or the history of European monarchy bloodlines, this might be the club for you! Practices involve running question sets with lockout buzzer systems, learning strategies and techniques to improve performance in academic competitions, and building up the high school team knowledge base with research and original question writing. We will also be preparing to host our own tournament(s) as well as participating in Houston-area, regional, and national competitions as student interest and team resources allow. All of this means a fantastic time spent with friends, acquisition of knowledge and study skills that will help you in classes and college, and an opportunity to really pursue areas of interest that go way beyond what might be supported in other arenas. STES has a great, successful MS Quiz Bowl program. It is time to turn up the heat in the HS! Contact Mr. Brown with questions.

LITERARY & ART MAGAZINE CLUB

"We all see the same things, but never in the same way. Whatever your creative outlet be, whether it's drawing, writing, dancing, painting, or singing, the things you make can only be made by you. In that way, art is precious and valuable. The founders of the literary and art magazine thought exactly this when deciding on a name- *Views*- because this is for the students by the students. The students who never see anything the same way twice." (Sophia Fox, former editor) Join the club/staff, become an editor or contributor. Meetings are during lunch and after school, (if you don't have a conflict.) Create a magazine spread while learning specific skills: Photoshop, InDesign, Typography, Editing, Photography and Layout. Publish your "views!"

"*VIEWS*" Volume I is on line www.ste-views.org

For more information about electives, contact Mr. Dale King, Head of the Upper School, Mr. Andrew Hughes, Director of Guidance and College Counseling, or one of the teachers listed below, according to your elective possible choice.

Department	Elective	Department Head / Teacher	Email address
English	English Grammar Class, Grade 9-12	Amy Ernest	ernest.amy@stes.org
	Creative Writing		
	AP English Language and Composition, Grade 11-12		
Mathematics	Precalculus Grade 11-12	Christine Saa	saa.christine@stes.org
	Calculus AB, Grade 11-12		
	AP Calculus AB, Grade 11-12		
	AP Calculus BC, Grade 11-12		
	College Algebra, Grade 12		
	Finite Math, Grade 12		
	AP Statistics, Grade 12		
	Multivariable Calculus/Introduction to Differential Equations, Grade 12		
	Logic , Grade 10-12		
Science	AP Biology, Grade 10-12	Tami Cromwell	cromwell.tami@stes.org
	Anatomy & Physiology 11-12		
	AP Chemistry, Grade 11-12	David Castillo	castillo.david@stes.org
	Environmental Science, Grade 12		
	Geology, Grade 11-12		
	AP Physics C: Mechanics, Grade 12	Vince Couch	couch.vince@stes.org
	AP Physics C: Electricity and Magnetism, Grade 12		
Modern Languages	French I, II, III, IV, AP	Chantal Bencze	bencze.chantal@stes.org
	Spanish I, II, III, IV, AP	Azucena Canales	canales.azucena@stes.org
	Chinese I, II, III, AP	Yanhua Sun	sun.yanhua@stes.org

Classic Languages	Latin I, II, III, IV, V Pre-AP Caesar AP Latin (Vergil)	Mary Beinemann	beinemann.mary@stes.org
Computer Science	Intro to Computer Science & Java	Cettina Halsey	halsey.cettina@stes.org
	AP Computer Science		
Yearbook	Yearbook / Newspaper	David Graves	graves.david@stes.org
Art	Studio Art	Diane Arrington	arrington.diane@stes.org
	AP 2D Art & Design, AP 3D Art & Design, AP Drawing		
	Art		
Social Studies & Economics	AP History	Dale King	king.dale@stes.org
	AP European History, Grade 11-12	Bret Ramsey	ramsey.bret@stes.org
	AP US Government & Politics / AP Macroeconomics, Grades 11-12	Suzanne O'Neil	oneil.suzanne@stes.org
	AP Comparative Government / Politics (Semester 1) Grade 12		
	AP Macroeconomics, Grade 12		
	AP Human Geography, Grade 11-12	Yanhua Sun	sun.yanhua@stes.org
	AP Psychology , Grade 12	Andrew Hughes	hughes.andrew@stes.org
	Ten Pillars of Economics	Gordon Sampson	sampson.gordon@stes.org
	Bible	Geoff Simpson	simpson.geoff@stes.org
	Mock Trial	Bret Ramsey Suzanne O'Neil	ramsey.bret@stes.org oneil.suzanne@stes.org
	Speech and Debate	Dale King	king.dale@stes.org
Fine Arts	Theater	Santry Rush	rush.santry@stes.org
	Highland Dancing	Donna Cusack	cusack.donna@stes.org
Music	Orchestra	Fiona Lofthouse	lofthouse.fiona@stes.org

	Choir	Nancy Crownover	crownover.nancy@stes.org
	Pipe Band	Lyric Todkill	todkill.lyric@stes.org
Clubs and Activities	Junior Classical League	Mary Beinemann	beinemann.mary@stes.org
	Student Foundation	Andrew Hughes	hughes.andrew@stes.org
	Theater Production	Santry Rush	rush.santry@stes.org
	Hope Club	Suzanne O'Neil	oneil.suzanne@stes.org
	Awaken the Dawn	Dale King	king.dale@stes.org
	Mock Trial	Bret Ramsey	ramsey.bret@stes.org
	Math and Science Club	David Castillo	castillo.david@stes.org
	Quiz Bowl	Graham Brown	brown.graham@stes.org
	Literary & Art Magazine Club	Diane Arrington	arrington.diane@stes.org

