



Course Catalog

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Preface

The first and foremost purpose of Smithtown Christian School is to prepare students for a life of service to the Lord Jesus Christ, regardless of professional or vocational choice. SCS seeks to produce students with “A heart for God, a mind for Truth, and a passion to change the World.” In pursuit of this goal, the Smithtown Christian School is committed to providing a program of education, which upholds a standard of scholastic excellence and focuses on the relationship of truth and wisdom as revealed in the Scriptures.

The Smithtown Christian School Course Description Handbook has been prepared to acquaint students and parents with the academic curriculum and program requirements of SCS. The guidance counselor, teachers, and administrators are all available to assist in making class selections. The goal of SCS is to help each student fully develop his or her unique God-given, natural and spiritual gifts and talents, to provide guidance in making good decisions and to grow in the nurture and admonition of the Lord.

It is to the advantage of the student to participate in the variety of courses and educational opportunities available, and not to simply satisfy basic requirements for graduation. Careful planning each year will help to ensure that the goal of providing exposure to the academic disciplines will be satisfied. The outcome will provide greater opportunities for the future success of each student.

A class checklist for students and parents has been included to assist in tracking completed classes and graduation requirements.

The courses in this catalog are listed on a tentative basis. Some may not be offered in the next school year due to staffing and/or a lack of sufficient enrollment.

Graduation Requirements

SCS High School Diploma Minimum Requirements

English	4 credits
Global History	2 credits
US History & Government	1 credit
US Government & Politics	.5 credit
Economics	.5 credit
Science	3 credits
1 Earth Science	
1 Living Environment	
1 either Physical or Life Science	
Math	4 credits
Algebra 1	
Geometry	
3 rd yr Math elective	
4 th yr Math elective	
Foreign Language	2 credits (one language)
Art/Music	1 credit
Bible	3.5 credits
Physical Education	2 credits (.5 credit each year)
Health (Part of Bible 10)	.5 credit
Elective(s)	1.5 credit
Total Minimum Credits:	25.5

SCS High School/Advanced Diploma Minimum Requirements

English	4 credits
Global History	2 credits
US History & Government	1 credit
US Government & Politics	.5 credit
Economics	.5 credit
Science	4 credits
1 Earth Science	
1 Living Environment	
2 either Physical or Life Science	
Math	4 credits
Algebra 1	
Geometry	
3 rd yr Math elective	
College level Math	
Foreign Language	3 credits (one language)
Art/Music	1 credit
Bible	3.5 credits
Physical Education	2 credits (.5 credit each year)
Health (Part of Bible 10)	.5 credit
Elective(s)	1.5 credit
Total Minimum Credits:	27.5

High School (9th-12th Grade)

Name _____ Date _____

Required Courses	Current Courses School Year _____	Courses Scheduled for Next Year School Year _____
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Bible 9	_____	_____
Bible 10	_____	_____
Bible 11	_____	_____
Bible 12	_____	_____

Art or Music	_____	_____
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English 9	_____	_____
English 10	_____	_____
English 11	_____	_____
English 12	_____	_____

Global History 1	_____	_____
Global History 2	_____	_____
US History	_____	_____
US Gov't & Politics	_____	_____
Economics	_____	_____

Foreign Language I	_____	_____
Foreign Language II	_____	_____
Foreign Language III (for ADV)	_____	_____

Earth Science	_____	_____
Biology	_____	_____
Chemistry	_____	_____
Science elective _____	_____	_____

Algebra 1	_____	_____
Geometry	_____	_____
3 rd yr Math elective	_____	_____
4 th yr Math elective	_____	_____

PE 9	_____	_____
PE 10	_____	_____
PE 11	_____	_____
PE 12	_____	_____

Health	_____	_____
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Elective(s)		
_____	_____	_____
_____	_____	_____

Program Requirements

Because college admissions personnel are seeking the best candidates for enrollment, it is to the advantage of students to demonstrate a willingness to aggressively seek challenging academic experiences. Students should plan their programs with the intention not only of fulfilling minimum requirements, but also of taking full advantage of the many elective courses offered in the various departments.

The regular school day consists of nine periods. Students are expected to be in school for the full nine periods. Therefore, they should not make any outside commitments, including employment, which will prevent them from fulfilling this school obligation.

The following pages include a listing of courses with the prerequisites and credits for each course. The selection of courses is a serious matter. It is recommended, therefore, that students and parents review these pages carefully in preparing programs for the next school year. The selection of courses by students determines staffing, building utilization, schedule preparation, and other considerations, which have definite budgetary consequences.

After a schedule has been defined, any change from the selected courses will have significant negative implications. A student must assume responsibility for careful, serious consideration and evaluation of the courses available. At this point changes are neither recommended nor looked upon favorably. If for some reason an adjustment is requested, a letter with parent approval must be submitted prior to June of the current school year. Any such changes are subject to teacher and counselor recommendation as well as seat availability.

Please review the graduation requirements as well as the course descriptions and choose your courses carefully.

For those students interested in participating in intercollegiate athletics, the NCAA Initial Eligibility Standards and other resources can be found at the NCAA Eligibility Center web site: <https://web3.ncaa.org/ecwr3/> . Please review this information carefully, as it will affect the high school classes that are chosen.

Art Department

Title of Course:	Art—Advanced
Course Code:	ART310
Grade level offered:	11,12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

Advanced Art develops further the application and utilization of the concepts applied in Studio I, Studio II. It gives the students an opportunity to develop the elements of art (line, shape, color, value, form texture and space) and the principle of design (balance, contrast, emphasis, movement, pattern, rhythm, unity). Students will come to understand that God has filled us with His spirit with skill to make artistic designs and has filled us with the skill to do all kinds of work as artisans and designers. Students are expected to complete at least four portfolio quality pieces using various media. Approval from the Art Director is required before enrollment in this course.

Title of Course:	Art—Advanced II
Course Code:	ART311
Grade level offered:	12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective
Prerequisite:	Advanced Art

This course is an advanced art course which allows students to utilize all concepts learned in previous art classes including colored pencils, pen & ink, acrylic & watercolor paint, and sculpture mediums. This course will push student's creativity to the next level! Approval from the Art Director is required before enrollment in this course.

Title of Course:	Art—Independent Study—Half Year
Course Code:	ART442
Grade level offered:	11, 12
Length of Course:	Half year
Credit:	1 or 0.5
Type of Course:	Elective

This course is designed with the focus of allowing upper level students to excel in any particular area or medium. The design of the course is defined with the student, parent, and teacher. It is then the student's responsibility to meet deadlines laid out by the student and teacher. The course is given to students that have completed a course in Studio Art and have displayed a firm interest in the fine arts. This decision is solely the responsibility of the Art Director, Guidance Counselor, and Administrator.

Title of Course:	Art—Portfolio
Course Code:	ART441
Grade level offered:	12
Length of Course:	Half year
Credit:	0.5
Type of Course:	Elective

This course is designed for the student to complete portfolio level work for college entrance. The student and teacher will work on projects that will further the student's thinking and technical ability. Approval from the Art Director is required before enrollment in this course.

Title of Course:	Art—Studio IA and Studio IB
Course Code:	ART101 and ART102
Grade level offered:	9, 10, 11, 12
Length of Course:	Half year
Credit:	0.5
Type of Course:	Required

Studio I is a basic art course that is designed to give students an opportunity to explore the elements of art (line, shape, color, value, form texture and space) and the principle of design (balance, contrast, emphasis, movement, pattern, rhythm, unity). Students will understand that God has filled us with His spirit and given us talent to make artistic designs, and has filled us with the skill to do all kinds of work as artisans and designers. Students will be exposed to various media (graphite pencil, colored pencils, pen & ink, acrylic & watercolor paint, air drying clay, linoleum block printing, Paper Mache, plaster craft). Projects include line drawing, still life, observational drawing, portraiture, painting, sculpture and one-point perspective drawing. There will be an opportunity to participate in the Square 1 Art Fundraiser. Students are able to enroll in both or either of these classes, since different projects are completed in each course.

Title of Course:	Photography
Course Code:	ART113
Grade level offered:	10, 11, 12
Length of Course:	Half year
Credit:	0.5
Type of Course:	Elective

Students will be using a 3.2-megapixel camera while learning about design and photography. Students are encouraged to think and view things differently. Adobe Photoshop—a computer program will be taught in combination with shooting.

Title of Course:	Photography II
Course Code:	ART114
Grade level offered:	11, 12
Length of Course:	Half year
Credit:	0.5
Type of Course:	Elective
Prerequisite:	Photography

Students must supply their own cameras. This course is a medium/advanced photography course which allows students more freedom in choosing and setting up their shot. Students will spend majority of their time taking photographs that could be used in commercial media such as print, bill boards and model portraits. They will then be required to produce finished ads by using such programs as Photoshop, Quark Express or Illustrator. Knowledge of one or more of these programs is helpful but not required. Approval from the Art Director is required before enrollment in this course.

Title of Course:	Photography—Independent Study
Course Code:	ART115
Grade level offered:	11,12
Length of Course:	Half Year
Credit:	0.5
Type of Course:	Elective
Prerequisite:	Photography required; Photography II recommended

Students must supply their own cameras. Intended for students who want to possibly go on with photography at the college level and is an advanced photography course which allows students the

freedom to take photographs to be used in their portfolio. Approval from the Art Director is required before enrollment in this course.

Bible Department

Title of Course:	Survey of the Bible-ELL
Course Code:	BIB000
Grade level offered:	7,8,9,10,11
Length of Course:	Full year
Credit:	1
Type of Course:	Required

Starting in first grade, Bible is a required course at Smithtown Christian School. Most of our international students come from non-Christian schools, and they have a great deal of trouble understanding and participating in regular Bible classes. They understand very little, if any, of the messages from chapel services. Since students have varied levels of understanding of the Bible, even in their native languages, ELL Bible is an alternative to regular Bible class. **Survey of the Bible is offered in alternate years.**

The year starts with a Bible Study for ESL students, entitled *What Christians Believe*. The remainder of the year is spent on a study called *The Story of a Kingdom*, which traces the history of God's kingdom from Genesis to Revelation. Students will see God's kingdom established, ruined, and established forever under the reign of Jesus Christ.

The goal of this course is to bring the students into a personal relationship with the Lord, if they do not have one; or to deepen their relationship with Him if they already know Him. Through the use of relevant materials and memory verses students should come to understand the world and their lives from God's point of view. An additional benefit of this class should be improvement in all four language skills- listening, speaking, reading and writing.

Title of Course:	Bible--ELL
Course Code:	BIB001
Grade level offered:	7,8,9,10,11
Length of Course:	Full year
Credit:	1
Type of Course:	Required

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The year starts with a Bible Study for ESL students, entitled *What Christians Believe*. The remainder of the year is a study of the book of Luke called *Luke's Ancient Biography of Jesus*. The 24-unit study was designed for English Language Learners (ELL's) so the language has been simplified and discussions are an important element of the program. Students are introduced to Jesus through his life, his prayers, his miracles and his death and resurrection. Historical background is presented in many chapters and students are encouraged to apply the truths they hear in the segments called "Live What You Learned"

The goal of this course is to bring the students into a personal relationship with the Lord, if they do not have one; or to deepen their relationship with Him if they already know Him. Through the use of relevant materials and memory verses students should come to understand the world and their lives from God's point of view. An additional benefit of this class should be improvement in all four language skills- listening, speaking, reading and writing.

Title of Course: **Bible 9--- Old Testament**
Course Code: BIB114
Grade level offered: 9
Length of Course: Half year, first semester
Credit: .5
Type of Course: Required

An understanding the broad themes and historical timeline of the Old Testament is an important facet of understanding God's overall plan of salvation and His dealings with humanity. This course provides just such an overview by surveying a sampling of the historical books, poetic, and prophetic books of the Old Testament.

Title of Course: **Bible 9---Biblical Worldview Part I**
Course Code: BIB115
Grade level offered: 9
Length of Course: Half year, second semester
Credit: .5
Type of Course: Required

Teenagers have questions about their faith, and without the opportunity to ask those questions and find satisfying answers, they can start on a journey away from the Lord. Using Summit Ministries' Understanding the Faith as a text, this course will help students to examine the reasonableness of the Biblical worldview. Topics such as whether God created the universe, the existence of heaven and hell, and the resurrection of Christ are all part of this important study. Part I of the course is covered in the second semester of 9th grade, and Part II in the first semester of 10th grade.
NOTE: Students will need to save their textbook for Part II in 10th grade.

Title of Course: **Bible 10----Biblical Worldview Part II**
Course Code: BIB216
Grade level offered: 10
Length of Course: Half year, first semester
Credit: .5
Type of Course: Required

Teenagers have questions about their faith, and without the opportunity to ask those questions and find satisfying answers, they can start on a journey away from the Lord. Using Summit Ministries' Understanding the Faith as a text, this course will help students to examine the reasonableness of the Biblical worldview. Topics such as whether God created the universe, the existence of heaven and hell, and the resurrection of Christ are all part of this important study. Part I of the course is covered in the second semester of 9th grade, and Part II in the first semester of 10th grade.

Title of Course: **Bible 11--- Biblical Stewardship**
Course Code: BIB312
Grade level offered: 11
Length of Course: Half year
Credit: .5
Type of Course: Required

It's never been more important for young adults to manage their finances well, especially as so much of today's buying and spending happens "virtually." Biblical Stewardship uses the popular materials from Dave Ramsey to teach students an effective and sensible process for handling money. The course culminates with a major project where students create their own personal budget, as a foundation for later earning, saving, spending, and giving habits.

Title of Course: **Bible 11---Inductive Bible Study--DE**

Course Code: BIB314
Grade level offered: 11
Length of Course: Half year
Credit: .5
Type of Course: Required

For much of America's history, reading was taught in schools so that children and young adults could become proficient at reading and understanding Scripture. Unfortunately, while reading is still strongly emphasized in education, the art and science of reading and interpreting Scripture is often overlooked. This course equips students with Bible study skills that they will use throughout their entire lives as Christians. Highly practical and hands on, students learn about Bible translations, become familiar with powerful questions to ask of the text, and gain practice in actually interpreting and applying Bible passages. This course is taught on a college level and is dual enrolled through a partnership with Davis College, New York.

Title of Course: Bible 12---Comparative Worldview
Course Code: BIB414
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Required

SCS's capstone Bible course, Comparative Worldview, exposes students to the major worldviews that will compete for their allegiance throughout their lives, and especially in the coming young adult years. Research shows that if students do not deeply examine their own beliefs alongside of the non-Biblical beliefs that many hold to be true, then they will be ill-equipped to stand against the inevitable challenges to their own faith. The text for the course, Understanding the Times, is the flagship curriculum produced by Summit Ministries, the premiere Biblical worldview ministry in the United States, and by taking this course, SCS students will sit under some of the best teaching and thought leadership available in the Christian world.

ELL Department

Title of Course: Survey of the Bible-ELL
Course Code: BIB000
Grade level offered: 7,8,9,10,11
Length of Course: Full year
Credit: 1
Type of Course: Required

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The goal of this course is to bring the students into a personal relationship with the Lord, if they do not have one; or to deepen their relationship with Him if they already know Him. Through the use of relevant materials and memory verses students should come to understand the world and their lives from God's

point of view. An additional benefit of this class should be improvement in all four language skills- listening, speaking, reading and writing.

Title of Course:	Bible--ELL
Course Code:	BIB001
Grade level offered:	7,8,9,10,11
Length of Course:	Full year
Credit:	1
Type of Course:	Required

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Title of Course:	ELL-English Language Learner
Course Code:	ELL100
Grade level offered:	7,8,9,10,11,12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

Students enter the ELL program with differing English language abilities. ESL classes are designed to help students improve their skills in each of the four language acquisition areas; listening, speaking, reading and writing. The program will also address cultural awareness issues, American customs and holidays, and the Christian foundations of the U.S.A. Students will use the computer for various projects throughout the year, including the mid-term and final projects.

The course is designed to prepare the students for success in their other classes and ultimately to be proficient enough in English to pass required classes without ESL assistance. There will be close cooperation with other classroom teachers to reinforce what they are doing in their classes, and materials from mainstream classes may be used as a basis for lessons.

Depending on the level of the student group and its needs, instruction will be varied. Because students may be in ELL for more than one year, the same instructional items will be covered at varied levels of difficulty and complexity. ELL classes tend to be small, so we are able to constantly adjust goals and content to match the rate of progress for the student or students in the class. The course is taught from a Biblical, Christian world view and many reading and writing assignments will be based on Christian materials.

Title of Course:	ELL/Resource
Course Code:	ELL101
Grade level offered:	7,8,9,10,11,12

Length of Course:	Full year
Credit:	Non-credit course
Type of Course:	Elective

This course is an informal setting designed for the English Language Learner (ELL) student. The course is designed to assist the student with homework, study skills, test taking, and tutorial help. No numeric or letter grade is issued.

English Department

Title of Course:	English 9
Course Code:	ENG110
Grade level offered:	9
Length of Course:	Full year
Credit:	1
Type of Course:	Required

The first half of the year, 9th grade focuses heavily on grammar and writing. The class starts by reviewing parts of speech and developing writing skills by diagramming sentences, paragraph structure, and finding one's voice and style in writing. Spelling and vocabulary lessons are taught weekly to develop students' vocabulary and word usage. The students have opportunities for creative, persuasive, and informative types of writing. They keep a reading response journal throughout the year; the journal is also used as a forum for creative writing, as well. The 9th grade will complete a lengthy research paper. At this level, the emphasis is placed on the writing process for a MLA style paper. The majority of students have never used parenthetical citations to credit their sources, so repetitions of instructional guidelines are mandatory here. The ability to communicate through writing is essential in being able to express ideas, faith, and belief.

The 9th grade students are prepared for understanding literature by studying a broad variety of literature, which includes instruction in literary analysis. They study poetry, developing increased awareness of their own poetic voice. This would include poetic sound devices, structure, meter, and figurative language, as well. In areas of prose, they are introduced to William Shakespeare, as they read aloud and discuss *The Tragedy of Romeo and Juliet*. The students are made aware of the historical ramifications and backgrounds to the literature that they study. A key theme is that literature reflects the human condition. Although, this course is taught from a Christian world view, they are reminded that not every author's view of the human condition will line up to the Biblical perspective. It is up to the individual then to draw his own opinion of any literary work using the tools of literary analysis and his own scriptural frame of reference.

Title of Course:	English 10
Course Code:	ENG210
Grade level offered:	10
Length of Course:	Full year
Credit:	1
Type of Course:	Required

English instruction in 10th grade will on focus on strong academic writing and creative writing, and proper grammar and punctuation usage. Students will study a variety of literature, improve comprehension skills, and build on their vocabulary banks, as well. They will write a variety of analytical essays and a comprehensive research paper. The entire English curriculum will be based on Christian Worldview as it applies to each unit.

Grammar is vigorously emphasized throughout the year. Also, students will improve comprehension skills and model excellent writing by reading a plethora of literary styles: Holocaust survivor's memoir, Greek and

Shakespearean dramas, poetry, short stories. They will study themes: hatred, suffering, anti-Semitism, the Holocaust, loyalty, love, hubris, betrayal. While these literary works are impacted by historical events or cultural movements that underscore the plight of man in a society encapsulated by sin, it is mandatory that students explore and analyze the Truth in a fallen world.

After analyzing many dimensions of *Night*, students will move to a drama unit. They will focus on the ancient Greek tragedy, *Antigone*, by Sophocles, and a Shakespearean drama, *The Tragedy of Julius Caesar*. They will learn how to read expressively dynamic and critical character dialogue (monologues, soliloquies, iambic pentameter), and construct persuasive and informative responses about these tragedies through essay writing and projects. In addition, they will read short stories and poems. Students will have opportunities to write creatively through journal writing and the publication of blogs. The journal is a key tool in this class for 5-page research paper rough draft, using MLA style. Research, through print literature (books, journals), the internet and interviews, will be emphasized strongly, as well as the use of MLA style.

Title of Course:	English 11
Course Code:	ENG311
Grade level offered:	11
Length of Course:	Full year
Credit:	1
Type of Course:	Required

English 11 is blocked in sections of grammar, writing, research and literature. Students begin the year with grammar – a comprehensive review of parts of speech, usage, and diagramming sentences. Students will also master the fundamentals of writing and composition including paragraph and sentence structure, essay-writing, style, and methods of composition. Students will engage in all types of writing, long and short, formal and creative. The students' writing will culminate in a 6-7-page thesis paper.

Students will be reading selected pieces from American Literature, from the Prentice Hall textbook *The American Experience*. Students will read all types of genres, tracing the progression of literature against the backdrop of American history. Entire texts may include *The Adventures of Huckleberry Finn* and *Our Town*, as well as works from each major literary time period. The students will be analyzing the text for various literary elements and techniques as well as personally applying themes discussed. Students will also evaluate themes and content from a biblical worldview.

The gift of critical thinking and communication comes from God. We recognize that He has given each student a mind to use for these kinds of activities. While all of the literature we read is certainly not “Christian”, this affords students the opportunity to learn to think critically and develop the skill of seeing *everything* in our world through a biblical lens. It is imperative to expose our students to ideas that they will confront in a secular culture and learn how to biblically address and respond to it.

Title of Course:	English 12
Course Code:	ENG410
Grade level offered:	12
Length of Course:	Full year
Credit:	1
Type of Course:	Required

This college-level composition course “explores principles of rhetoric and stresses effective expository writing.” Instruction will specialize in helping students organize and develop ideas, in addition to leading them to mastery of other foundational and specialized skills in writing such as style; sentence, paragraph and essay structure and development; mechanics; and language usage. Students will also closely read and examine various expository essays, in addition to writing their own.

Students will be required to write and present a Senior Thesis Paper, a 9-10-page academic persuasive essay. That written and spoken piece will focus on the art of persuasion and rhetoric: ethos, pathos, and

logos. MLA style will be emphasized, and students will research sources through data bases, peer-reviewed journal articles, and credible internet websites.

It is our intense desire to see our students, upon graduation, having a level of mastery in the art of communication through the written word. Regardless of the students' career path, the skill and need of clear, effective communication cannot be under-estimated. We desire to prepare our students for all roles of leadership, in which writing will, no doubt, be an essential part of.

Students will be extremely prepared to take the College Composition CLEP exams at the completion of this course. If students pass this exam, they will likely test out of their first required English College Composition course; therefore, passing this test will save students time and money, and this will allow them to take another class instead.

Title of Course:	Advanced Placement (AP) English Language (Course offered through online provider for an additional fee)
Course Code:	ENG553
Grade level offered:	11
Length of Course:	Full year
Credit:	1
Type of Course:	Elective (Teacher recommendation required)

From the College Board (2021):

"The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

College Course Equivalent: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum."

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP English Language exam in the spring. This course, in addition to the completion of the English 11 research paper, will satisfy the graduation requirement for 11th grade English.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Title of Course:	Advanced Placement (AP) English Literature (Course offered through online provider for an additional fee)
Course Code:	ENG552
Grade level offered:	12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective (Teacher recommendation required)

From the College Board (2021):

"The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and

symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

College Course Equivalent: The AP English Literature and Composition course aligns to an introductory college-level literature and writing curriculum.”

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP English Literature exam in the spring. This course, in addition to the completion of the English 12 thesis paper, will satisfy the graduation requirement for 12th grade English.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Foreign Language Department

Title of Course:	Spanish I
Course Code:	LNG110
Grade level offered:	9, 10, 11, 12
Length of Course:	Full year
Credit:	1
Type of Course:	Required

In Spanish 1 students will be able to use a language other than English for communication. They will develop a sense of cross-cultural understanding by learning about eight different countries and people groups within the Spanish speaking world. They will learn to appreciate the diversity in the world while seeing that all people are equal, created in the image of God. Students will begin to use the target language for communication. Listening and speaking are primary communicative goals in language learning. These skills are used for the purposes of socializing, providing and acquiring information, and expressing personal feelings and opinions. Reading and writing are also used in language learning for the purposes of composing sentences, notes, messages, learned vocabulary with other various structures of the target language. Students will also use the target language for effective communication. This involves meaning that goes beyond words and requires an understanding of perceptions, gestures, folklore, family, and community dynamics.

Title of Course:	Spanish II
Course Code:	LNG111
Grade level offered:	9, 10, 11, 12
Length of Course:	Full year
Credit:	1
Type of Course:	Required

At the beginning of Spanish 2 students will be immersed in a review of the grammar functions and vocabulary acquired in Spanish 1. Students discuss the impact of the Latino culture on American society. In addition, they delve deeper into the use of the verbs “ser” and “estar” to describe people and things.

At the culmination of the review the class enters an intense study of the use of the preterit tense to talk about events that have taken place in the past including commenting on their travels and the news. At the end of the second quarter students will work cooperatively to produce their own video using the preterit in an authentic context. Following that, students will be introduced to the main uses of the imperfect tense to discuss childhood activities and ongoing events in the past. After a selection of authentic readings in the text book students will compare the cultural perspectives and practices of the ancient Mayan and Aztec civilizations in Mexico to other cultures including their own. At the end of the year students will work individually to create their own legend in Spanish using the preterit and imperfect tenses. They will then present to their class.

In past years students have shared testimonies on how their learning of Spanish has enabled them to bring others to Christ in the Mission Field. Students understand that knowing a second language is vital to a growing global community and the body of Christ.

Title of Course:	Spanish III
Course Code:	LNG210
Grade level offered:	10, 11, 12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

Spanish 3 encompasses the second part of the year of Spanish 2. Students will study grammar, vocabulary, and other Hispanic cultures in the world. This course will help students to communicate effectively in Spanish in any given situation. Students will learn how to build relationships and influence others effectively using the Spanish language. Through their own understandings of other Hispanic cultures, they will influence others positively and see the presence of God in the languages of today. This involves meanings that go beyond words and requires an understanding of perceptions, gestures, family, and community dynamics. All of the course material will be taught with a Biblical, Christian world view. All questions about Spanish Culture events will be answered utilizing the Bible as the source of ultimate truth.

Title of Course:	Spanish IV
Course Code:	LNG310
Grade level offered:	11, 12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

Prerequisite: Score of 90 or better on the Spanish III final exam; a passing grade on the Spanish placement exam; a passing grade of 90 or better in the completion of Spanish 3.

This is an advanced-level course focusing on the development of oral and written skills within a wide range of contexts and situations. It reviews specific grammatical structures, broadens general vocabulary, and enhances correct pronunciation techniques to strengthen accuracy and precision in oral and written Spanish.

Health Department

Title of Course:	Health
Course Code:	HTH210
Grade level offered:	10
Length of Course:	Half year
Credit:	.5
Type of Course:	Required

This is a comprehensive course designed to fascinate and stimulate the student to have a lifelong study of their wondrous bodies in Christ, so as to fortify against the slings and arrows of the Tempter. Using "Health in a Christian Perspective" by ACSI publishing, Dolores Shimmin and Gregory Parker explain the anatomy and physiology of adolescence, developing a healthy body, maintaining personal health, maintaining mental health, biblical decision making, practicing personal safety, administering first aid, community health and diseases, addictions and substance abuse, and establishing spiritual health. Each chapter is broken up into manageable sections with review questions that the student is expected to answer. Field trips are incorporated to reinforce course content.

History Department

Title of Course: Global History I

Course Code: HIS110
Grade level offered: 9
Length of Course: Full year
Credit: 1
Type of Course: Required

The 9th grade covers the first portion of Global History from the beginning of civilization up to the Age of Absolutism. God's handiwork will be seen through the birth of the great river valley civilizations, the glories of grace in Rome, the rise of Christianity, and the glorification of God through the Renaissance in art, science, and technology. Students will focus on writing, analyzing historical material, and putting all content into God's meta-narrative. 9th grade Global history will continue in 10th grade with the review of the Reformation and Renaissance and continue onto the present day.

Title of Course: Global History 2

Course Code: HIS211
Grade level offered: 10
Length of Course: Full year
Credit: 1
Type of Course: Required

This course is the continuation of Global I. This includes material from the French Revolution up to and including present (21st Century) global current events and concerns. Cultures will be studied both regionally and chronologically to insure student understanding with an emphasis on human nature.

Students will focus on major turning points, key historical figures and the effects of geographical limitation/advantages in preparation for thematic essay composition. Emphasis on the ability to think critically about historical change and cause and effect will be the cornerstone of the course.

All course material will be taught with a Biblical, Christian world view. All questions about world events will be answered assuming the Bible as the source of ultimate truth.

Title of Course: US History—Dual Enrolled

Course Code: HIS313
Grade level offered: 11
Length of Course: Full year
Credit: 1
Type of Course: Required

In American History 11, students will become aware of how the United States, through its early colonial development to the present day, has been instrumental in shaping world history as both a beacon of freedom and a liberator of oppressed people throughout the world. Through their faith in God, the founding fathers created a nation conceived upon the idea of Judeo-Christian morals and teachings, which has enabled its citizens to experience more freedom and choice than any nation that has ever existed. The students will be able to see how God has used the United States to be an example to the rest of the world of how a nation, that follows God's teachings, can both prosper and be a blessing to others. This course will analyze the issues of geography, economics, cultural and political parameters, which have influenced and shaped the development of this nation. Students will be able to decipher landmark Supreme Court cases that have changed this nation's history through a biblical worldview and a foundation of truth. Students will focus on major turning points, key historical figures, and the push-pull factors which had been woven into the American fabric whether in positive aspects or negative, and to what degree they have influenced us and who we are today. This course is taught on a college level and is dual enrolled through a partnership with Davis College, New York.

Title of Course: **Economics—Dual Enrolled**
Course Code: HIS431
Grade level offered: 12
Length of Course: Half year
Credit: .5
Type of Course: Elective, satisfies required .5 credit in Economics.

Prerequisite: Teacher's recommendation, Algebra 1, Geometry

Economics (micro) is one of two capstone courses for the social studies curriculum at Smithtown Christian School. While the main focus of this course is the exploration of markets, how price and supply are determined, shortages, surplus, etc...., the purpose is life application. Students will be challenged with issues and questions that will ask them to take positions on issues of the day and defend them using their knowledge of economics and scripture. The course is set up in five units: Principals of Economics, How Markets Work, Markets and Welfare, Economics of the Public Sector, and Personal Finance. This course is taught on a college level and is dual enrolled through a partnership with Davis College, New York.

Title of Course: **US Government and Politics--Dual Enrolled**
Course Code: HIS430
Grade level offered: 12
Length of Course: Half year
Credit: .5
Type of Course: Elective (Teacher recommendation required), satisfies required .5 credit in Government.

The American Government course, which is dual enrolled with Suffolk Community College, is one of two capstone courses in the social studies curriculum at Smithtown Christian School. The course starts with the foundational principals of American Government: Liberty, Equality, Individualism, and Diversity. Students will explore how the nation began and the evolution of the federal government. The second unit explores the concept of mass politics, public opinion, media, political parties, and elections. The third unit explores our federal government the relationships between the branches. The course concludes with and exploration of public policy, which included foreign, defense, environmental, welfare, and education policy. As each topic is explored, students will explore the Biblical concepts of government, society, charity, and morality. Students will be challenged with present issues in American government and have to argue their position based on Scripture. This course is taught on a college level and is dual enrolled through a partnership with Davis College, New York.

Title of Course: **Advanced Placement World History**
(Course offered through online provider for an additional fee)
Course Code: HIS534
Grade level offered: 10
Length of Course: Full year
Credit: 1
Type of Course: Elective (Teacher recommendation required)

From the College Board (2021):

"In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

College Course Equivalent: AP World History: Modern is designed to be the equivalent of an introductory college or university survey of modern world history.”

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP World History exam in the spring. This course will satisfy the graduation requirements of 10th grade Global History II.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Title of Course: **Advanced Placement United States History**
(Course offered through online provider for an additional fee)
Course Code: HIS535
Grade level offered: 11
Length of Course: Full year
Credit: 1
Type of Course: Elective (Teacher recommendation required)

From the College Board (2021):

“In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

College Course Equivalent: AP U.S. History is equivalent to a two-semester introductory college course in U.S. history.”

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP United States History exam in the spring. This course will satisfy the graduation requirements of 11th grade US History and Government.

In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Title of Course: **Advanced Placement United States Government**
(Course offered through online provider for an additional fee)
Course Code: HIS536
Grade level offered: 12
Length of Course: Half year
Credit: .5
Type of Course: Elective (Teacher recommendation required)

From the College Board (2021):

“AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and

applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

College Course Equivalent: AP U.S. Government and Politics is equivalent to a one-semester introductory college course in U.S. government.”

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP United States Government & Politics exam in the spring. This course, in conjunction with Economics and the completion 12th grade thesis paper will satisfy the graduation requirement of 12th grade History.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Title of Course:	Advanced Placement (AP) Microeconomics (Course offered through online provider for an additional fee)
Course Code:	HIS537
Grade level offered:	12
Length of Course:	Half year
Credit:	.5
Type of Course:	Elective (Teacher recommendation required)

From the College Board (2021):

“AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students’ familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

College Course Equivalent: AP Microeconomics is equivalent to a one-semester introductory college course in economics.”

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP Microeconomics exam in the spring. This course, in conjunction with US Government & Politics and the completion of the 12th grade thesis paper will satisfy the graduation requirement for 12th grade History.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Math Department

Title of Course:	Algebra I
Course Code:	MTH111
Grade level offered:	9
Length of Course:	Full year
Credit:	1
Type of Course:	Required

This course combines the concepts from Algebra 1A and Algebra 1B in one year. The primary goals include conceptual understanding, procedural fluency, and problem-solving using algebra. General concepts and principles are fully addressed and developed in detail. The procedures taught explain how to

perform both arithmetic and geometric processes. Examples are shown demonstrating problem-solving approaches using alternative strategies for solution.

The beauty of mathematics is that it so clearly demonstrates the nature of God. He is orderly, His Word is not contradictory. In the Algebra course, because the students learn concepts from both an algebraic and geometric approach, they begin to appreciate how all math works together. Nothing they learned in previous courses will ever be contradicted by what they learn here.

Title of Course:	Geometry
Course Code:	MTH211
Grade level offered:	9
Length of Course:	Full year
Credit:	1
Type of Course:	Required

The course begins by introducing the fundamental essentials of geometry that are already familiar to the students. Logic is presented as the basis for reasoning which they will apply as they write proofs of geometric statements. Students will write many proofs including proving congruence and similarity of triangles, and proving quadrilaterals. Students will study the properties of quadrilaterals and circles, they will study linear functions in greater detail, they will study transformations, symmetry, 3-dimensional space, find the area, surface area and volume of conic sections, and perform basic constructions. Algebraic skills from Algebra 1 are maintained, strengthened, and expanded as a bridge to Algebra 2.

Mathematics is one of the most complex, yet beautiful languages in the universe. Geometry is one of the many fascinating areas within mathematics. As God's image bearers we have the unique ability to reason and think logically. The purpose of this course is to help the students use the principles of logic to understand the interdependence among geometric and algebraic truths.

Title of Course:	Geometry--Honors
Course Code:	MTH 231
Grade level offered:	9
Length of Course:	Full year
Credit:	1
Type of Course:	Required

Teacher recommendation is required.

In this honors-level course, the material covered will be the same as the Geometry course with the following additions: most of the theorems presented will be proven during class, a more advanced level of spatial geometry is added, and trigonometric applications to find area are taught. More proofs will be required for the students to write.

Students will study linear functions, logic, properties of quadrilaterals, transformations, conic sections, and 3-dimensional space. They will find area, surface area and volume, use the Pythagorean Theorem, distance and midpoint formulas, learn properties of circles, and they will do proofs involving congruence and similarity, quadrilaterals, and circles. Students will also learn to write proofs using coordinate geometry.

Students will use their God-given ability to reason and think logically to help them see the connections and interdependence between geometry, algebra and trigonometry.

Title of Course:	Algebra 2
Course Code:	MTH312
Grade level offered:	10
Length of Course:	Full Year
Credit:	1
Type of Course:	Required

In this course, we will continue the intensive study of Algebra and the development of strong skills for the SAT exam and for continued study of Mathematics.

Topics covered include: solving linear, quadratic, absolute-value, rational, equations involving radicals, inequalities and systems of equations. We will cover graphing lines, parabolas, linear inequalities, operations with polynomials, rational expressions, complex numbers, radicals, simplifying algebraic expressions (reducing to lowest terms, complex fractions, laws of exponents, factoring) and word problems.

Title of Course: Algebra 2/Trigonometry

Course Code: MTH311
Grade level offered: 11
Length of Course: Full year
Credit: 1
Type of Course: Required

This course is the next in the sequence of math courses for students who have successfully completed Geometry.

Topics to be covered include: solving absolute value, radical, rational, exponential, logarithmic, trigonometric, quadratic and higher order polynomial equations, operations with radicals and complex numbers, laws of exponents, common and natural logs, sequences and series, trigonometry of the right triangle, unit circle, Pythagorean and basic identities, graphs of trig functions, and trigonometric applications involving law of sines and cosines.

Student who successfully complete this course are prepared to take Pre-Calculus. They are required to solve problems without a calculator whenever possible. However, use of the graphing calculator will often be necessary. Throughout the course, students will see the interconnectivity of algebra, geometry and trigonometry.

Title of Course: Algebra 2/Trigonometry-- Honors

Course Code: MTH331
Grade level offered: 10
Length of Course: Full year
Credit: 1
Type of Course: Required

This course is an intensive study of Algebra 2 and Trigonometry. Topics to be covered include: solving absolute value, radical, rational, exponential, logarithmic, trigonometric, quadratic and higher order polynomial equations, operations with radicals and complex numbers, laws of exponents, common and natural logs, sequences and series, trigonometry of the right triangle, unit circle, Pythagorean and basic identities, graphs of trig functions, and trigonometric applications involving law of sines and cosines.

Students who successfully complete this course are prepared to take Pre-Calculus and Calculus before graduating from SCS. They are required to solve problems without a calculator whenever possible. However, use of the graphing calculator will often be necessary.

Title of Course: Pre-Calculus—Dual Enrolled

Course Code: MTH433
Grade level offered: 11, 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

Prerequisite: Prerequisite for this course is successful completion of the Algebra 2/Trigonometry course and by teacher recommendation.

Students will develop the knowledge and skills to solve problems involving the recognition, graphing, and manipulation of functions. Students will demonstrate this knowledge through class discussion of problems

and written examinations. The purpose of this is to a) develop logical thinking and calculating skills as a foundation for future endeavors and b) cultivate an appreciation of the intricate order of Creation revealed in mathematics. This course is taught on a college level through Suffolk Community College's Beacon Program.

Title of Course: Calculus—Dual Enrolled

Course Code: MTH435
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

In Calculus, students will develop the knowledge and skills to solve problems involving not only the elementary manipulation of functions but also their rates of change, areas, and volumes. Through this course, students will develop logical thinking skills as a foundation for future endeavors and more deeply explore the wonders of Creation which are able to be expressed through mathematics.

Each chapter in Calculus reveals opportunities to focus on man's accepting of God's numbers and order. The course begins with algebra and moves through geometry and continues to trigonometry. Trigonometry is a melting of algebra and geometry; which God uses to show his balance in nature. These intrinsic patterns, found in algebra with numbers and geometry with shapes, proclaim the existence of a Creator. God produced all of these mathematical systems for us to use every day and they give us insights into the character of God. This course is taught on a college level through Suffolk Community College's Beacon Program.

Title of Course: College Algebra Prep—Dual Enrolled

Course Code: MTH403
Grade level offered: 12
Length of Course: Full Year
Credit: 1
Type of Course: Elective

This course is designed for the student who has successfully completed Algebra 2/Trigonometry Teacher recommendation is required.

Students will be prepared to take the CLEP exam in Algebra at the end of the year and/or they will be prepared to take a Mathematics college entrance exam without a calculator. Topics covered include operations with whole numbers, integers, rational and irrational numbers, polynomials, laws of exponents, solving linear and quadratic equations, graphing lines, solving systems of equations both algebraically and graphically, factoring, work with ratios, percent and application word problems throughout the course. This course is taught on a college level and is dual enrolled through a partnership with Davis College, New York.

Title of Course: Statistics

Course Code: MTH409
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

This course is designed for the student who has successfully completed Algebra 2/Trigonometry; teacher recommendation is required. Statistical methods are carefully presented with a focus on understanding both the suitability of the methods and the meaning of the result. Statistical methods and measurements

are developed in the context of applications. The text used for the course is designed to present core topics of an introductory course in statistics. The normal distribution is introduced and all of its characteristics. In addition, students are shown how to approximate other distributions to the normal distribution. In keeping with the use of computer technology and standard practice in research, hypothesis testing is also introduced using P-values.

Title of Course:	Advanced Placement (AP) Calculus AB (Course offered through online provider for an additional fee)
Course Code:	MTH532
Grade level offered:	12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective (Teacher recommendation required)

From the College Board (2021):

“AP Calculus AB and AP Calculus BC focus on students’ understanding of calculus concepts and provide experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole, rather than a collection of unrelated topics. Both courses require students to use definitions and theorems to build arguments and justify conclusions. The courses feature a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

College Course Equivalent: AP Calculus AB is designed to be the equivalent of a first semester college calculus course devoted to topics in differential and integral calculus.

Prerequisites: Before studying calculus, all students should complete the equivalent of four years of secondary mathematics designed for college-bound students: courses that should prepare them with a strong foundation in reasoning with algebraic symbols and working with algebraic structures. Prospective calculus students should take courses in which they study algebra, geometry, trigonometry, analytic geometry, and elementary functions. These functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions. In particular, before studying calculus, students must be familiar with the properties of functions, the composition of functions, the algebra of functions, and the graphs of functions. Students must also understand the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts, and descriptors such as increasing and decreasing). Students should also know how the sine and cosine functions are defined from the unit circle and know the values of the trigonometric functions at the numbers 0, $\pi / 6$, $\pi / 4$, $\pi / 3$, $\pi / 2$, and their multiples.”

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP Calculus AB exam in the spring. Successful completion of this course will satisfy the graduation requirement for 12th grade Math.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Title of Course:	Advanced Placement (AP) Calculus BC (Course offered through online provider for an additional fee)
Course Code:	MTH531

Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective (Teacher recommendation required)

From the College Board (2021):

“AP Calculus AB and AP Calculus BC focus on students’ understanding of calculus concepts and provide experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole, rather than a collection of unrelated topics. Both courses require students to use definitions and theorems to build arguments and justify conclusions. The courses feature a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

AP Calculus BC is designed to be the equivalent to both first and second semester college calculus courses. AP Calculus BC applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series.

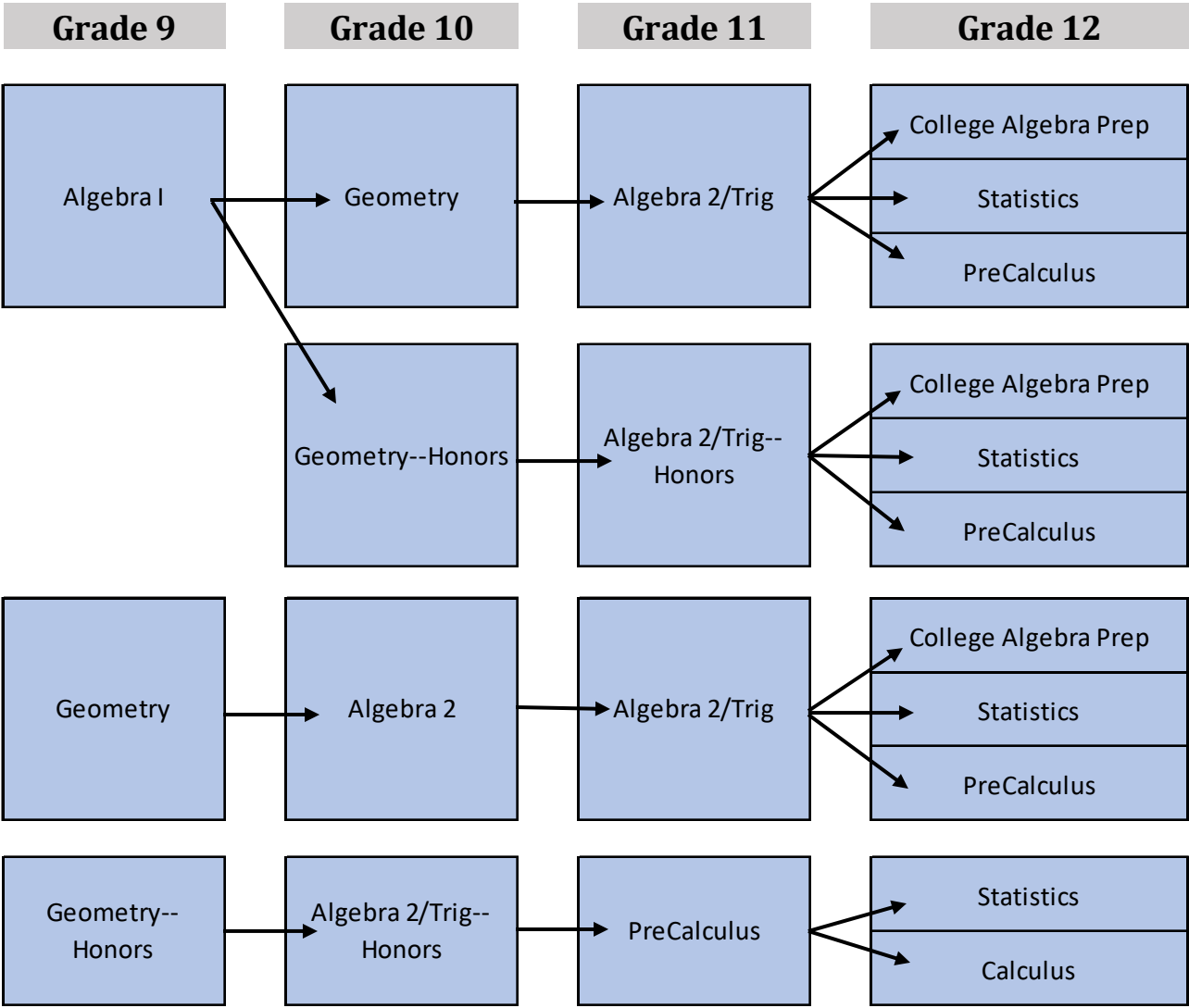
Prerequisites: Before studying calculus, all students should complete the equivalent of four years of secondary mathematics designed for college-bound students: courses that should prepare them with a strong foundation in reasoning with algebraic symbols and working with algebraic structures. Prospective calculus students should take courses in which they study algebra, geometry, trigonometry, analytic geometry, and elementary functions. These functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions. In particular, before studying calculus, students must be familiar with the properties of functions, the composition of functions, the algebra of functions, and the graphs of functions. Students must also understand the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts, and descriptors such as increasing and decreasing). Students should also know how the sine and cosine functions are defined from the unit circle and know the values of the trigonometric functions at the numbers 0 , $\pi/6$, $\pi/4$, $\pi/3$, $\pi/2$, and their multiples.

Students who take AP Calculus BC should have basic familiarity with sequences and series, as well as some exposure to parametric and polar equations.”

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP Calculus BC exam in the spring. Successful completion of this course will satisfy the graduation requirement for 12th grade Math.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Math Flow Chart



Music Department

Title of Course:	Band—Advanced
Course Code:	PFA160
Grade level offered:	9, 10, 11, 12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

This course further develops and refines core concepts and fundamentals introduced in Beginning and Intermediate Band. We are made in God's image. We are the only creatures on this planet that have the ability to create fine arts. Instrumental music is a gift from God and this course further develops God's gift to man. Study includes the care and cultivation of a beautiful tone, the ability to read music with increasing fluency, the building of technical skills, team spirit, and responsible rehearsal habits.

Title of Course:	Chorus—Advanced
Course Code:	PFA162
Grade level offered:	9, 10, 11, 12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

The Promise Singers is a select chorus for students in grades 9-12. Members are accepted based on both their musical ability and mature Christian character. This course further develops and refines the core vocal concepts and skills that were introduced in both Elementary and Middle School choruses. Recognizing music and the ability to vocalize with proficiency as a true gift from God, musical selections are selected and approached with attention to the musical tone, mood, lyrics and composer's intent of each piece glorifies God. Opportunity will be taken with each piece rehearsed and/or performed to illustrate the joy in God's gift of music expressed through the selection. Throughout the year, students grow in understanding as to the tremendous influence and power to music. Music as a powerful communication tool is made clear as students realize their God-given talents and learn how they can positively influence culture with their musical gifts.

Title of Course:	Orchestra—Advanced
Course Code:	PFA161
Grade level offered:	9,10,11,12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

Heart Strings Advanced Orchestra is Smithtown Christian School's orchestra group that includes 9th through 12th grade students. The primary goal for Heart Strings is to prepare for our two main concerts. This course provides opportunities for students to develop their musical potential and understanding

through learning to play orchestral strings. Study includes the care and cultivation of their God-given talents as they develop beautiful tone, technique, musical literacy, team unity, and responsible practice. Students will also explore music through history, theory, improvisation, composition, and arranging. Students of Heart Strings are the role models for the younger Soul Strings students. They play an active role in mentoring younger students through student teaching and combined rehearsals. They are encouraged to lead by example in technique and to foster a culture of excellence. All things come back to our four biblical principles for orchestra, which are skill, joy, unity, and worship.

Title of Course:	Jazz Band
Course Code:	PFA166
Grade level offered:	9, 10, 11, 12
Length of Course:	Full year, alternating days
Credit:	.5
Type of Course:	Elective
Prerequisite:	Teacher approval is required

Jazz band will introduce and develop the basic concepts of improvisation. Previous jazz band experience is not required. Acceptance into the group is based on audition and need. The many forms of sub genres will be covered. Such as swing, Latin, bebop, blues, and cool jazz. Registration for this course is by audition only and is open to students currently enrolled in an advanced performing ensemble.

Title of Course:	Worship Studies
Course Code:	MUS110
Grade level offered:	10, 11, 12
Length of Course:	Full year, alternating days
Credit:	.5
Type of Course:	Elective
Prerequisite:	Teacher approval is required

Students in the Worship class will serve as the worship team for SCS chapel services and special events as needed. Students will study the importance of worship, how to be part of a worship team, how to lead worship, and the role of a worship leader in and out of church/chapel services. In addition to studying, students will rehearse on a regular basis to prepare for weekly chapel services.

Worship Studies Mission Statement:

Our Mission is to seek God in authentic worship in and out of school, adoring Him with our gifts, talents and time, with vertical focus and humbled hearts so that Christ is genuinely preeminent in our lives.

Title of Course:	Music Independent Study
Course Code:	MUS363
Grade level offered:	9, 10, 11, 12
Length of Course:	Half year
Credit:	.5
Type of Course:	Elective
Prerequisite:	Teacher approval is required

Music Independent Study is offered for any student in 9-12th grade. As a co-requisite, student must be enrolled in a performance ensemble. Student must complete an application to the Performance Arts Department Chair which must outline a performance plan answering the questions:

What will piece(s) will you be working on?

When will this piece be performed?

At least 1 performance (or audition) is required per semester taking of study.

Students will be assigned to a music teacher and spend their time working independently on their music. Weekly, students will submit to their cooperative teacher a journal of what they worked on each week and what their goal is for the following week.

Physical Education Department

Title of Course:	Physical Education 6,7,8,9,10,11 and 12
Course Code:	PED610; PED710; PED810; PED110; PED210; PED310; PED410
Grade level offered:	6,7,8,9,10,11 and 12
Length of Course:	Full year, Alternating A or B day
Credit:	.5
Type of Course:	Required

Physical education encompasses a variety of activities involving team sports, fitness, cooperative games, and lifetime activities. Preparedness and participation are the major factors in determining success.

Boys and Girls meet separately in grade 7. Classes are co-ed in grades 8 through 12.

Students in grades 7-12 participate in most of the following sports or activities:

Fall—Soccer, Flag/Touch Football, and Physical Fitness training and testing

Winter—Volleyball, Basketball, and Floor Hockey and Weight Training

Spring—Team Handball, Weight Training, Ultimate Frisbee, and Physical fitness training and testing, Badminton and Tennis

Note: Each class period begins with selective warm-up activities and stretches in conjunction with each particular sport.

All students must change/dress for each gym class, including any dress down days. Students must wear an approved gym uniform and sneakers. Gym lockers are only for daily use—locks may be used but must be removed at the end of the period.

Science Department

Title of Course:	Earth Science w/Lab (Physical Setting)
Course Code:	SCI812 (Course) and SCI811 (Lab)
Grade level offered:	8
Length of Course:	Full year
Credit:	1
Type of Course:	Required

Earth Science explores how God's universe works by examining the forces on our planet and its place in the universe. Students will compare and contrast the scientific teachings of the secular world and how their faith is used to decipher the world around them by analyzing the Biblical Worldview and its impact of Truth on evidence in science.

This course explores concepts and principles about the dynamic nature of our planet and its environment in space. Topics include astronomy, geology, meteorology, oceanography and physical geography. Environmental concerns, energy, earth processes, and the influence of science, technology, and society are significant parts of the program. God instructs humans to use and steward his creation. Students will be prepared to champion Christ in a secular world because of their understanding of the secular ideas such as the Big Bang or Evolution and understanding of the Truth from the Bible.

This course is taught at a high school level.

Title of Course: **Biology w/Lab (Living Environment)**
Course Code: SCI112 (Course) and SCI111 (Lab)
Grade level offered: 9
Length of Course: Full year
Credit: 1
Type of Course: Required

Living Environment continues to develop the foundation for critical thinking skills and logical reasoning. This course will be taught from the Biblical, Christian view that God is the Creator and has designed all life. We will study the theory of evolution to point out the contradictions and errors that are so pervasive in our society today.

The New York State Standards for Science will serve as a basis for this class. Utilizing the scientific method, students will develop their ability to formulate conclusions based upon scientific investigations dispersed throughout the course. Emphasis will be placed upon cause and effect relationships. Our ultimate source of truth will be the Bible. Much of the course will focus on the living environment and the processes by which scientist study this environment. The driving force will be upon God and his infinite wisdom of designing all of creation.

Title of Course: **Physical Science w/Lab (Physical Setting)**
Course Code: SCI214 (Course) and SCI213 (Lab)
Grade level offered: 10
Length of Course: Full year
Credit: 1
Type of Course: Required

Physical science explores how God's universe works by examining matter, energy, and their interactions. Students will compare and contrast the scientific teachings of the secular world and how their faith is used to decipher the world around. They will learn to analyze and interpret data and information through a Biblical Worldview and its impact of truth on evidence in science.

This course incorporates components of physics and chemistry. The general science topics integrated throughout the course are the scientific method, measurement, matter, and mathematics and graphing. The chemistry topics consist of the properties and classification of matter, the structure of atoms, elements and the periodic table, bonds and compounds, chemical reactions, mixtures and solutions, and acids, bases, and salts. The physics topics include energy, motion, fluid mechanics, simple machines, electricity, magnetism, waves, light, and sound. God instructs humans to use and steward His creation. Through the study of physical sciences, students will examine how humans interact with the physical world with an appreciation of taking care of the environment and ourselves.

Title of Course: **Chemistry w/Lab (Physical Setting)**
Course Code: SCI313 (Course) and SCI312 (Lab)
Grade level offered: 11
Length of Course: Full year
Credit: 1
Type of Course: Required

Topics covered in this class through animated PowerPoint lectures include the Atom, formulas and equations, mathematics of formulas and equations, the physical behavior of matter, the Periodic Table, bonding, properties of solutions, kinetics and equilibrium, Oxidation-Reduction, acids, bases, and salts, Organic Chemistry, and Nuclear Chemistry. Included with this course is an additional lab period, which meets 2 to 3 times per week. Associated labs are expected to be completed along with homework and work sheet assignments.

Title of Course: **Physics w/Lab (Physical Setting)**
Course Code: SCI432 (Course) and SCI431 (Lab)
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

This course provides a foundation in major physics concepts in preparation for college level physics courses. The topics of study include forces, motion, energy, waves, sound, light, electricity, magnetism and modern quantum physics. The accompanying laboratory section, which meets 2 to 3 times per week in addition to the class, emphasizes hands-on investigation and practical application of physics concepts through experiments and demonstrations.

Title of Course: **Anatomy and Physiology**
Course Code: SCI311
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

Anatomy & Physiology is a course given to students to introduce the structure and function of the human body. This course of builds upon the knowledge of the foundational courses of Earth Science, Biology and Chemistry, to further explain the wonder and majesty of being created in the image of God 'for His good pleasure'.

This course will cover the basics in human anatomy and physiology including biochemistry, cells and tissues, and anatomical and physiological vocabulary. The different systems of the body, such as skeletal, muscular, endocrine, nervous, excretory, respiratory, digestive, circulatory, immune and reproductive, will be covered. All common human disorders/diseases of each anatomical system will also be introduced.

Title of Course: **Advanced Placement (AP) Biology w/Lab**
(Course offered through online provider for an additional fee)
Course Code: SCI532
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective (Teacher recommendation required)

From the College Board (2021):

"AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions."

College Course Equivalent: The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors.

Prerequisites: Students should have successfully completed high school courses in biology and chemistry."

The workload and instruction level of this course are very intense. Students will be prepared for and expected to take the AP Biology exam in the spring.

Enrollment in this class requires an additional course registration fee. In addition, the College Board AP exam fee will be payable in September. Please contact the Guidance department for more information.

Technology Department

Title of Course:	Computer Coding
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Course Code:	TEC111
Grade level offered:	9, 10, 11, 12
Length of Course:	Half Year
Credit:	0.5
Type of Course:	Elective

This course teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem-solving skills. By the end of this course, students will be able to program in JavaScript.

Required Courses

Title of Course:	Senior Seminar
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Course Code:	GEN412
Grade level offered:	12
Length of Course:	Full year, alternating days
Credit:	.5
Type of Course:	Required

In this course, students walk through the college application process and by December, they will have submitted their applications to various colleges throughout the United States.

Students will utilize Naviance, a web-based tool, designed to support student success and to plan for college and career. This tool will help students choose potential careers and identify their interests. Based on these results, the student will be able to pinpoint which colleges to apply to and what is the best career choice.

Furthermore, students will investigate local needs outside of SCS and develop a list of potential projects in which they will collaborate together in groups and present a project proposal to a panel of school administrators. Students will then implement the approved service-learning project selected by the administration team by assigning tasks to the groups based on each member's strength. The students will take fieldtrips to complete the project and then evaluate the impact of the project on the people who were served.

Electives

Listed alphabetically by Course Title

Title of Course:	Anatomy and Physiology
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Course Code:	SCI311
Grade level offered:	12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

Anatomy & Physiology is a course given to students to introduce the structure and function of the human body. Eligible students must have completed high school Earth Science, Biology, and Chemistry. Anatomy & Physiology builds upon the knowledge of these foundational courses to further explain the wonder and the majesty of being created in the image of God "for His good pleasure."

This course will cover the basics in human anatomy and physiology including biochemistry, cells and tissues, and anatomical and physiological vocabulary. The different systems of the body, such as skeletal,

muscular, endocrine, nervous, excretory, respiratory, digestive, circulatory, immune and reproductive, will be covered. All common human disorders/diseases of each anatomical system will also be introduced

God's word is replete with messages about how we were created for Him, and we are created in His image. The irreversible complexity of the body, from atoms to molecules, to cells, all provide a foundation at the micro-anatomical level, which makes up the gross anatomical level of this course. In Psalm 139: 13-16 we are "fearfully and wonderfully made" as we illustrate on slides, PowerPoint, text, and anatomical models. Each student is guided through the messages of God's wit and purpose as learning is accomplished in each body system. Discourse about the wonderment of God's exactness is exclaimed daily.

Title of Course:	Art—Advanced
Course Code:	ART310
Grade level offered:	11,12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective

Advanced Art develops further the application and utilization of the concepts applied in Studio I, Studio II. It gives the students an opportunity to develop the elements of art (line, shape, color, value, form texture and space) and the principle of design (balance, contrast, emphasis, movement, pattern, rhythm, unity). Students will come to understand that God has filled us with His spirit with skill to make artistic designs and has filled us with the skill to do all kinds of work as artisans and designers. Students are expected to complete at least four portfolio quality pieces using various media. Approval from the Art Director is required before enrollment in this course.

Title of Course:	Art—Advanced II
Course Code:	ART311
Grade level offered:	12
Length of Course:	Full year
Credit:	1
Type of Course:	Elective
Prerequisite:	Advanced Art

This course is an advanced art course which allows students to utilize all concepts learned in previous art classes including colored pencils, pen & ink, acrylic & watercolor paint, and sculpture mediums. This course will push student's creativity to the next level! Approval from the Art Director is required before enrollment in this course.

Title of Course:	Art—Independent Study—Half Year
Course Code:	ART442
Grade level offered:	11, 12
Length of Course:	Half year
Credit:	1 or 0.5
Type of Course:	Elective

This course is designed with the focus of allowing upper level students to excel in any particular area or medium. The design of the course is defined with the student, parent, and teacher. It is then the student's responsibility to meet deadlines laid out by the student and teacher. The course is given to students that have completed a course in Studio Art and have displayed a firm interest in the fine arts. This decision is solely the responsibility of the Art Director, Guidance Counselor, and Administrator.

Title of Course:	Art—Portfolio
Course Code:	ART441
Grade level offered:	12

Length of Course: Half year
Credit: 0.5
Type of Course: Elective

This course is designed for the student to complete portfolio level work for college entrance. The student and teacher will work on projects that will further the student's thinking and technical ability. Approval from the Art Director is required before enrollment in this course.

Title of Course: Art—Studio IA and Studio IB
Course Code: ART101 and ART102
Grade level offered: 9, 10, 11, 12
Length of Course: Half year
Credit: 0.5
Type of Course: Required

Studio I is a basic art course that is designed to give students an opportunity to explore the elements of art (line, shape, color, value, form texture and space) and the principle of design (balance, contrast, emphasis, movement, pattern, rhythm, unity). Students will understand that God has filled us with His spirit and given us talent to make artistic designs, and has filled us with the skill to do all kinds of work as artisans and designers. Students will be exposed to various media (graphite pencil, colored pencils, pen & ink, acrylic & watercolor paint, air drying clay, linoleum block printing, Paper Mache, plaster craft). Projects include line drawing, still life, observational drawing, portraiture, painting, sculpture and one-point perspective drawing. There will be an opportunity to participate in the Square 1 Art Fundraiser. Students are able to enroll in both or either of these classes, since different projects are completed in each course.

Title of Course: Band—Advanced
Course Code: PFA160
Grade level offered: 9, 10, 11, 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

This course further develops and refines core concepts and fundamentals introduced in Beginning and Intermediate Band. We are made in God's image. We are the only creatures on this planet that have the ability to create fine arts. Instrumental music is a gift from God and this course further develops God's gift to man. Study includes the care and cultivation of a beautiful tone, the ability to read music with increasing fluency, the building of technical skills, team spirit, and responsible rehearsal habits.

Title of Course: Calculus—Dual Enrolled
Course Code: MTH435
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

In Calculus, students will develop the knowledge and skills to solve problems involving not only the elementary manipulation of functions but also their rates of change, areas, and volumes. Through this course, students will develop logical thinking skills as a foundation for future endeavors and more deeply explore the wonders of Creation which are able to be expressed through mathematics.

Each chapter in Calculus reveals opportunities to focus on man's accepting of God's numbers and order. The course begins with algebra and moves through geometry and continues to trigonometry. Trigonometry is a melting of algebra and geometry; which God uses to show his balance in nature. These intrinsic patterns, found in algebra with numbers and geometry with shapes, proclaim the existence of a Creator. God produced all of these mathematical systems for us to use every day and they give us insights into the

character of God. This course is taught on a college level through Suffolk Community College's Beacon Program.

Title of Course: **Chorus—Advanced**
Course Code: PFA162
Grade level offered: 9, 10, 11, 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

The Promise Singers is a choral ensemble for students in grades 9-12. This course further develops and refines the core vocal concepts and skills that were introduced in both Elementary and Middle School choruses. Throughout this class students learn how he or she can engage with music on their own in their everyday lives. We continually recognize music and the ability to vocalize with proficiency as a true gift from God. Musical selections are selected and approached with attention to the musical tone, mood, lyrics and composer's intent of each piece to glorify God. Opportunities will be explored with each piece we rehearse and/or perform to illustrate the joy in God's gift of music expressed through the songs. Throughout the year, students grow in understanding as to the tremendous influence and power to music. Music as a powerful communication tool is made clear as students realize their God-given talents and learn how they can positively influence culture with their musical gifts.

Title of Course: **College Algebra Prep—Dual Enrolled**
Course Code: MTH403
Grade level offered: 12
Length of Course: Full Year
Credit: 1
Type of Course: Elective

This course is designed for the student who has successfully completed Algebra 2/Trigonometry Teacher recommendation is required.

Students will be prepared to take the CLEP exam in Algebra at the end of the year and/or they will be prepared to take a Mathematics college entrance exam without a calculator. Topics covered include operations with whole numbers, integers, rational and irrational numbers, polynomials, laws of exponents, solving linear and quadratic equations, graphing lines, solving systems of equations both algebraically and graphically, factoring, work with ratios, percent and application word problems throughout the course. This course is taught on a college level and is dual enrolled through a partnership with Davis College, New York.

Title of Course: **Computer Coding**
Course Code: TEC111
Grade level offered: 9, 10, 11, 12
Length of Course: Half Year
Credit: 0.5
Type of Course: Elective

This course teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem-solving skills. By the end of this course, students will be able to program in JavaScript.

Title of Course: **Exploring Children's Literature**
Course Code: ENG167
Grade level offered: 9, 10, 11, 12
Length of Course: Half Year
Credit: 0.5

Type of Course: Elective

This course surveys the development of children's literature from folk tales through nursery rhymes, realistic fiction, and informational books. Students will be introduced to authors and texts that have defined the field of children's literature. Students will discuss children's books and write about how children's literature shapes and reflects cultural ideas about children and childhood. Students will develop a knowledge of children's books and children's authors and illustrators. Furthermore, students will learn about the history and contemporary issues in the field of children's literature. Finally, students will study the dynamics of reading aloud and explore creative techniques for writing their own children's book.

Title of Course: Google Workspace

Course Code: TEC120
Grade level offered: 9, 10, 11, 12
Length of Course: Half Year
Credit: 0.5
Type of Course: Elective

The Google Workspace for Education course is a fundamental course designed to explore and analyze the Google Suite for Education technological tools such as Google Docs, Google Classroom, Google Keep, Google Calendar, Google Sites, etc. This course provides practical application ideas along with practice using Google tools for students to gain confidence with digital learning strategies while increasing digital citizenship and digital literacy skills. Throughout this course, students are provided with the skills and confidence necessary to take the Google Educator Certification Level 1 examination.

Title of Course: Home Economics I

Course Code: GEN363
Grade level offered: 11, 12
Length of Course: Half Year, Fall
Credit: 0.5
Type of Course: Elective

The Home Economics course will teach practical life skills using a hands-on approach. Three basic units will be covered, woodworking, sewing, and cooking. The course equips the student with good decision-making skills while allowing the student to think creatively and to collaborate and communicate with their peers in group projects. Students will learn to use a variety of tools and be able to operate a sewing machine and various kitchen appliances. The course is project-based and emphasizes student participation.

Title of Course: Home Economics II

Course Code: GEN365
Grade level offered: 11, 12
Length of Course: Half Year Spring
Credit: 0.5
Type of Course: Elective

Home Economics II continues to focus on the three units of study, woodworking, sewing, and cooking. Students use a variety of skills: communication, collaboration, critical thinking, and creativity to design and make a variety of projects in each unit of study. Field Trips to the grocery store and Joanne Fabrics are included in the curriculum.

Title of Course: Jazz Band

Course Code: PFA166
Grade level offered: 9, 10, 11, 12
Length of Course: Full year, alternating days

Credit: 0.5
Type of Course: Elective
Prerequisite: Teacher approval is required

Jazz band will introduce and develop the basic concepts of improvisation. Previous jazz band experience is not required. Acceptance into the group is based on audition and need. The many forms of sub genres will be covered. Such as swing, Latin, bebop, blues, and cool jazz. Registration for this course is by audition only and is open to students currently enrolled in an advanced performing ensemble.

Title of Course: **Leaders in Missions**
Course Code: GEN261
Grade level offered: 10, 11, 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

Undignified is an outbound mission's team that is performance-based in nature and whose charge it is to "go into all the world to preach the Gospel" through drama, music and service.

The team is comprised of 14-16 students ranging from grades 10–12 who have demonstrated a desire to serve others and meet the needs of those less fortunate than themselves. Eligible students' purpose is to change the world through relationships and friendship evangelism using the "SURF" method of training. "SURF" stands for Servanthood, Unity, Respect and Flexibility and its application when on the foreign mission's field as well as at home.

Students learn and perform original dramas, dances, clowning and musical numbers that are cross-cultural in nature and are audible, visual demonstrations of Christ's love and compassion toward His children. Performances may take place at a local shelter, a school located in the city dump of Managua, Nicaragua, or at a hospital for children in crisis. Service may be in New York City, or in another country! Students also learn the practical value of raising their own funding for the trip as well as a sizable offering for the locations visited during their 8-10 day mission's trip that takes place over Easter break. They practice the Matthew 25 principle of feeding the hungry, clothing the naked, visiting those in prison and giving of themselves spiritually, emotionally and financially.

Students meet five times a week for an entire year for rehearsal and training. During this time, they learn how to function as a team in prayer and performance. They are stretched to do the uncomfortable here so that they can accomplish God's will when they are in the mission's field.

Title of Course: **Music Independent Study**
Course Code: MUS363
Grade level offered: 9, 10, 11, 12
Length of Course: Half year
Credit: 0.5
Type of Course: Elective
Prerequisite: Teacher approval is required

Music Independent Study is offered for any student in 9-12th grade. As a co-requisite, student must be enrolled in a performance ensemble. Student must complete an application to the Performance Arts Department Chair which must outline a performance plan answering the questions:

What will piece(s) will you be working on?

When will this piece be performed?

At least 1 performance (or audition) is required per semester taking of study.

Students will be assigned to a music teacher and spend their time working independently on their music. Weekly, students will submit to their cooperative teacher a journal of what they worked on each week and what their goal is for the following week.

Title of Course: Orchestra—Advanced

Course Code: PFA161
Grade level offered: 9,10,11,12
Length of Course: Full year
Credit: 1
Type of Course: Elective

Heart Strings Advanced Orchestra is Smithtown Christian School's orchestra group that includes 9th through 12th grade students. The primary goal for Heart Strings is to prepare for our two main concerts. This course provides opportunities for students to develop their musical potential and understanding through learning to play orchestral strings. Study includes the care and cultivation of their God-given talents as they develop beautiful tone, technique, musical literacy, team unity, and responsible practice. Students will also explore music through history, theory, improvisation, composition, and arranging. Students of Heart Strings are the role models for the younger Soul Strings students. They play an active role in mentoring younger students through student teaching and combined rehearsals. They are encouraged to lead by example in technique and to foster a culture of excellence. All things come back to our four biblical principles for orchestra, which are skill, joy, unity, and worship.

Title of Course: Photography

Course Code: ART113
Grade level offered: 10, 11, 12
Length of Course: Half year
Credit: 0.5
Type of Course: Elective

Students will be using a 3.2-megapixel camera while learning about design and photography. Students are encouraged to think and view things differently. Adobe Photoshop—a computer program will be taught in combination with shooting.

Title of Course: Photography II

Course Code: ART114
Grade level offered: 11, 12
Length of Course: Half year
Credit: 0.5
Type of Course: Elective
Prerequisite: Photography

Students must supply their own cameras. This course is a medium/advanced photography course which allows students more freedom in choosing and setting up their shot. Students will spend majority of their time taking photographs that could be used in commercial media such as print, bill boards and model portraits. They will then be required to produce finished ads by using such programs as Photoshop, Quark Express or Illustrator. Knowledge of one or more of these programs is helpful but not required. Approval from the Art Director is required before enrollment in this course.

Title of Course: Photography—Independent Study

Course Code: ART115
Grade level offered: 11,12
Length of Course: Half Year
Credit: 0.5
Type of Course: Elective

Prerequisite: Photography required; Photography II recommended

Students must supply their own cameras. Intended for students who want to possibly go on with photography at the college level and is an advanced photography course which allows students the freedom to take photographs to be used in their portfolio. Approval from the Art Director is required before enrollment in this course.

Title of Course: Physics w/Lab (Physical Setting)

Course Code: SCI432 (Course) and SCI431 (Lab)

Grade level offered: 12

Length of Course: Full year

Credit: 1

Type of Course: Elective

This course provides a foundation in major physics concepts in preparation for college level physics courses. The topics of study include forces, motion, energy, waves, sound, light, electricity, magnetism and modern quantum physics. The accompanying laboratory section, which meets 2 to 3 times per week in addition to the class, emphasizes hands-on investigation and practical application of physics concepts through experiments and demonstrations.

Title of Course: Pre-Calculus—Dual Enrolled

Course Code: MTH433

Grade level offered: 11, 12

Length of Course: Full year

Credit: 1

Type of Course: Elective

Prerequisite: Prerequisite for this course is successful completion of the Algebra 2/Trigonometry course and by teacher recommendation.

Students will develop the knowledge and skills to solve problems involving the recognition, graphing, and manipulation of functions. Students will demonstrate this knowledge through class discussion of problems and written examinations. The purpose of this is to a) develop logical thinking and calculating skills as a foundation for future endeavors and b) cultivate an appreciation of the intricate order of Creation revealed in mathematics. This course is taught on a college level through Suffolk Community College's Beacon Program.

Title of Course: SAT Prep—Math

Course Code: SAT200

Grade level offered: 9, 10, 11, 12

Length of Course: Half Year

Credit: 0.5

Type of Course: Elective

This course is designed to train a student for the SAT and ACT Math section. The course will consist of an overview of math topics covered on the exams as well as numerous practice problems. Students will learn tips to improve their score and study key concepts. Practice exams will be given so the students can work on their timing and be familiar with the test format. Course grade will not be dependent on the score of graded problems, rather it will be based on completing the assignments and demonstrating an improvement. Whether a student has a strong math mind or not, anyone can excel in this course. Students will be billed separately for the College Board review book that SCS purchases.

Title of Course: Spanish III
Course Code: LNG210
Grade level offered: 10, 11, 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

Spanish 3 encompasses the second part of the year of Spanish 2. Students will study grammar, vocabulary, and other Hispanic cultures in the world. This course will help students to communicate effectively in Spanish in any given situation. Students will learn how to build relationships and influence others effectively using the Spanish language. Through their own understanding of other Hispanic cultures, they will influence others positively and see the presence of God in the languages of today. This involves meanings that go beyond words and requires an understanding of perceptions, gestures, family, and community dynamics. All of the course material will be taught with a Biblical, Christian worldview. All questions about Spanish Culture events will be answered utilizing the Bible as the source of ultimate truth.

Title of Course: Spanish IV
Course Code: LNG310
Grade level offered: 11, 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

Prerequisite: Score of 90 or better on the Spanish III final exam; a passing grade on the Spanish placement exam; a passing grade of 90 or better in the completion of Spanish 3.

This is an advanced-level course focusing on the development of oral and written skills within a wide range of contexts and situations. It reviews specific grammatical structures, broadens general vocabulary, and enhances correct pronunciation techniques to strengthen accuracy and precision in oral and written Spanish.

Title of Course: Statistics
Course Code: MTH409
Grade level offered: 12
Length of Course: Full year
Credit: 1
Type of Course: Elective

This course is designed for the student who has successfully completed Algebra 2/Trigonometry; teacher recommendation is required. Statistical methods are carefully presented with a focus on understanding both the suitability of the methods and the meaning of the result. Statistical methods and measurements are developed in the context of applications. The text used for the course is designed to present core topics of an introductory course in statistics. The normal distribution is introduced and all of its characteristics. In addition, students are shown how to approximate other distributions to the normal distribution. In keeping with the use of computer technology and standard practice in research, hypothesis testing is also introduced using P-values.

Title of Course: Worship Studies
Course Code: MUS110
Grade level offered: 10, 11, 12
Length of Course: Full year, alternating days
Credit: 0.5
Type of Course: Elective
Prerequisite: Teacher approval is required

Students in the Worship class will serve as the worship team for SCS chapel services and special events as needed. Students will study the importance of worship, how to be part of a worship team, how to lead worship, and the role of a worship leader in and out of church/chapel services. In addition to studying, students will rehearse on a regular basis to prepare for weekly chapel services.

Worship Studies Mission Statement:

Our Mission is to seek God in authentic worship in and out of school, adoring Him with our gifts, talents and time, with vertical focus and humbled hearts so that Christ is genuinely preeminent in our lives.

Advanced Placement Courses

Speak to the Guidance Counselor for information about enrolling in an Advanced Placement Course. These courses are offered online through an outside vendor and additional fees are associated with enrollment.