



**st. croix** preparatory academy

2023-2024

Upper School Curriculum Guide

# College Readiness, College Admissions and Four-Year High School Course Plan

College admissions requirements vary across all colleges, but they have similar criteria that they like to see in students' high school transcripts upon their application into college. Those include rigor of courses taken, a grade point average of 2.5 or higher, and academic electives. The rigor of the transcript is the most important of these three criteria. In addition, college admissions like to see student commitment to activities, clubs, and athletics, as well as leadership positions in a student's college application. Our college counselor, Mr. Williams, will be meeting with each student to ensure that they are taking steps to putting a solid college application together.

As a high school student, if you have an idea of the types of schools you would like to go to, you can take steps now in your high school course planning. The following chart distinguishes schools by "types" and delineates for you, the expectations that are typical or average for the freshmen who are admitted to their colleges:

Type of college	Admission	Example Schools	% of SCPA alumni accepted to these types of institutions	High School GPA Expectation	Typical ACT (36)/SAT (1600)	AP Course/Exam Score Expectation
<b>Highly Selective</b>	Majority of freshmen in top 10% of their high school class	Ivy League, Vassar, Davidson, Hamilton, William and Mary, Carlton, Duke, UNC, etc.	16%	3.80	28+/1220+	6+ courses/ 4,5 on exams
<b>Selective</b>	Majority of freshmen in top 25% of their high school class	UW-Madison, UM-Twin Cities, Purdue, Mac, St. Olaf, Gustavus, St. Thomas, etc.	40%	3.25	24+/1110+	3+ courses/ 3,4,5 on exams
<b>Traditional</b>	Majority of freshmen in top 50% of their high school class	UM-Morris, UMD, UW-Stout, UW-Eau Claire, UW-River Falls, Bemidji, etc.	34%	2.25	21+/990+	Not Applicable
<b>Liberal</b>	Usually accept all high school graduates, some programs are selective	Normandale Community College, DeVry, etc.	6%	1.5	18+/870+	Not Applicable
<b>Open</b>	All high school graduates are accepted	Century College, Rasmussen, etc.	4%	High School Diploma/GED	None required	Not Applicable

As you can see, your course taking in high school can open doors to types of college that you can apply to. If being ready to apply to a certain type of college is important to you, please see "\*" next to courses throughout the Upper School Curriculum Guide, that highlight courses that selective and highly selective colleges and universities will be looking for on your high school transcript. It is not imperative that you take all courses with an "\*" but rather, take those rigorous courses in which you can earn a B- or better and that fit a balanced schedule. Your school advisors can assist you with making these determinations.

## IMPORTANCE OF THE UPPER SCHOOL CURRICULUM

A college preparatory curriculum requires thorough preparation in literature and composition, mathematics, science and laboratory courses, social studies, and foreign languages. The rigor of the course work a student takes communicates important information to any college admissions personnel. Students are assessed on course rigor, grade point average, and test scores.

All colleges and universities have general requirements unique to their organization. It is important to understand minimum admission requirements at any given institution. It is also important to communicate with admissions departments to better understand expectations in coursework while a student is in high school. This helps inform the student when making choices about course registration. The following chart provides a comparison of typical minimum requirements.

Course	Required by				
	State of MN	Private HS	Public HS	University	St. Croix Prep
Language Arts/English	4	4	4	4	4
Mathematics	3	3	3	4*	4
Social Sciences	3.5	4	4	2 to 4	4
Science	3	3	3	3 to 4	4
World Languages	Local decision	3	0	2 to 4	2
Arts	1	3	1	1	2
Health/PE	Local decision	.5 and 2.5	.5 and 1	Elective	1
Electives	7	0	6.5	2	4
Service & Yr. End Presentation	—	—	—	While not required, strongly encouraged and considered by admissions	1.5
<b>TOTAL</b>	21.5	23	23	23	<b>26.5</b>

- For public schools, including charter schools, all students must pass a college and career ready assessment that meets Minnesota state law and St. Croix Preparatory Academy School Board Requirements.
- Almost all colleges require you take the ACT and/or the SAT to be considered for admissions. Some institutions have score requirements for entrance.
- Credits: typically, classes are held 5 days a week, anywhere from 40-60 minutes. The equivalent of a yearlong, daily class is 1.0 credit. Semester courses receive .50 credit.
- \*While the “minimum” requirements may be “3” mathematics credits to be admitted to a University, typically, as stated on their websites, they mostly admit only those students who have completed 4 credits of Mathematics while in high school.

## SCPA Upper School 4-Year Course Plan

SCPA Graduation Requirements	9 <sup>th</sup> Grade Class of 2027	10 <sup>th</sup> Grade Class of 2026	11 <sup>th</sup> Grade Class of 2025	12 <sup>th</sup> Grade Class of 2024
<b>English</b>  <b>4 Credits</b>	___ English 9 OR ___ Honors English 9 1 credit	___ English 10 OR ___ Honors English 10 1 credit	___ English 11 OR ___ AP Language & Composition 1 credit	___ English 12 OR ___ AP Literature 1 credit
<b>Social Studies</b>  <b>4 Credits</b>	___ Human Geography OR ___ AP Human Geography 1 credit	___ World History OR ___ AP World History 1 credit	___ U.S. History OR ___ AP U.S. History 1 credit	___ U.S. Gov't & Econ OR ___ AP Government OR ___ AP Micro/Macro Econ 1 credit
<b>Science</b>  <b>4 Credits</b>	___ Earth Science 1 credit	___ Biology OR ___ Honors Biology 1 credit	___ Physics OR ___ AP Physics B 1 credit	Optional Science or Other Elective(s)  (course title here) 1 credit
<b>Math</b>  <b>4 Credits</b>	(course title here) 1 credit	(course title here) 1 credit	(course title here) 1 credit	(course title here) 1 credit
<b>Physical Education</b>  <b>1 Credit</b>	___ Physical Education & Health 9 - (Required)  1/2 credit	(course title here) 1/2 credit	(course title here) 1/2 credit	(course title here) 1/2 credit
<b>Fine Arts</b>  <b>2 Credits</b>	(course title here) 1 credit	(course title here) 1 credit	(course title here) 1 credit	(course title here) 1 credit
<b>World Language</b>  <b>2 Credits</b>	(course title here) 1 credit	(course title here) 1 credit	(course title here) 1 credit	(course title here) 1 credit
<b>4 Other Elective Credits</b>	(course title here)  (course title here) 1/2 or 1 credit	(course title here)  (course title here) 1/2 or 1 credit	(course title here)  (course title here) 1/2 or 1 credit	(course title here)  (course title here) 1/2 or 1 credit
<b>Study Hall</b>	___ Semester Study Hall ___ FY Study Hall	___ Semester Study Hall ___ FY Study Hall	___ Semester Study Hall ___ FY Study Hall	___ Semester Study Hall ___ FY Study Hall
<b>Service Hours and HS Performance 1.5 Credits Required</b>	10 Hours: .10 credit  1 Presentation .25 credit	10 Hours: .10 credit  1 Presentation .25 credit	10 Hours: .10 credit  1 Presentation .25 credit	20 Hours: .20 credit  1 Presentation .25 credit
<b>25.5 Required</b>	(credit total)	(credit total)	(credit total)	(credit total)

# ENGLISH

## Graduation Requirements: 4 Credits

Standards -

The State of Minnesota requires students in grades 9-12 to be proficient in reading, writing, and speaking. In order to comply with the state standards as well as the academic goals of this high school, the sequence for grades 9-12 in language arts will be as follows:

### English 9: Ancient Literature

Grade - 9 Full Year - 1.0 Credit

**Prerequisite(s):** Successful completion of 8th grade language arts

**Description:** Ninth grade English will study masterpieces in literature with an emphasis on ancient literature dating from pre-common era through the 1500s, including: *The Epic of Gilgamesh, The Odyssey, Selections of Ancient Greek Philosophy, A Midsummer Night's Dream, Siddhartha, Beowulf, Inferno, The Perfect Nine, and Don Quixote*. Students will develop a deeper understanding of literature through an exploration of Joseph Campbell's hero's journey, while creating and defending their own interpretations and ideas relating to our texts and supplementary material. A focus will be placed on core comprehension of texts, while developing written and spoken rhetorical strategies pertaining to essential question for each text.

### Honors English 9: Ancient Literature

Grade - 9 Full Year - 1.0 Credit

**Prerequisite(s):** Successful completion of 8th grade language arts

**Description:** Honors students will study masterpieces in literature dating from pre-common era through the 1500s, including: *The Epic of Gilgamesh, The Odyssey, Selections of Ancient Greek Philosophy, A Midsummer Night's Dream, Siddhartha, Beowulf, Inferno, The Perfect Nine, and Don Quixote*. Students will develop a deeper understanding of literature through an exploration of Joseph Campbell's hero's journey, while creating and defending their own interpretations and ideas relating to our texts and supplementary material. Ninth

grade Honors English students are asked to read, write, and discuss ideas at a more advanced abstract level.

### English 10: British Literature with Composition

Grade - 10 Full Year - 1.0 Credit

**Prerequisite/s:** English 9 or the equivalent

**Description:** Students in English 10 will study major works of literature selected from *Macbeth, Canterbury Tales, Frankenstein, Importance of Being Earnest, Things Fall Apart, Night, and Animal Farm*. Students will focus on the reading skills needed for these complex works. We will examine the relationship between literature and the historical ideas and movements that influenced them. The writing focus for the year will be on argumentative writing where students will study the types of arguments, different ways to structure an argument, and different rhetorical writing devices.

### Honors English 10: British Literature with Composition

Grade - 10 Full Year - 1.0 Credit

**Prerequisite/s:** English 9 or the equivalent

**Description:** Students in Honors English 10 will study major works of literature selected from *Macbeth, Canterbury Tales, Frankenstein, Importance of Being Earnest, Things Fall Apart, Night, and Animal Farm*. Students will continue to develop a deep understanding of literature and create and defend their own interpretations and ideas by studying different philosophies and approaches to analyzing literature. The writing focus for the year will be on argumentative writing where students will focus on developing their own ideas and interpretation and then creating cohesive and persuasive arguments. Honors students will be expected to work on a deeper and more abstract level, including themes, historic context, and literary devices. Honors students will need to be able to read complex texts independently and quickly move beyond the literal level of a text to abstract concepts and deep analysis of literary terms. **This course requires summer reading of either *Pride and Prejudice* or *Great Expectations*.**

## English 11: American Literature

Grade - 11 Full Year - 1.0 Credit

Prerequisite/s: English 9 and 10 or the equivalent

**Description:** This course is a chronological survey of American literature. Through close study of canonical texts, students develop a deeper understanding of the ways writers use language to provide both meaning and pleasure. Additionally, students practice analytical skills to discuss such questions as: "How does literature either reflect or challenge prevailing attitudes of its time?" "To what extent are artifacts of our shared cultural past still relevant today?" And "What binds us as Americans?" Works include *The Scarlet Letter*, *The Crucible*, *The Great Gatsby*, and *A Raisin in the Sun*, as well as a variety of essays, poems, and short stories, including such pioneering voices as Poe, Twain, Dickinson, Whitman, Hughes, and others. Students complete several written assignments, including a multi-draft narrative essay (in preparation for college essays). The course also includes a review of grammar concepts in preparation for the ACT.

## AP English Language

Grade - 11 Full Year - 1.0 Credit

Prerequisite/s: English 9 and 10 or the equivalent

**Description:** The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays, both in a timed setting and those written over the course of several drafts. Students evaluate, synthesize, and cite research to support their arguments while refining their understanding of grammar and style. Students learn to analyze non-fiction texts (including image as a form of text) from various disciplines and historical periods. Note: while this course is reading-intensive, it centers on non-fiction and the essay form in particular. This is not a literature course. **Summer reading requirement: two non-fiction books of your choice, with annotations (a list of suggested books will be provided).**

## English 12: Contemporary Literature

Grade - 12 Full Year - 1.00 Credit

Prerequisite/s: English 9, 10, and 11 or the equivalent

**Description:** This course will engage students in the discovery of oneself and working to answer the question, Who AM I? Using a variety of skills around reading, writing, speaking, and listening, students will engage in various texts from classical to contemporary, including Orwell's 1984, Wiesel's Night, Sallinger's Catcher in the Rye and Krakauer's Into the Wild. Reading nonfiction to science fiction creates variety with student choice built in throughout the year. Using novel texts along with short stories and poems, students will engage in rich conversations and research into conformity and rebellion.

## AP Literature

Grade - 12 Full Year - 1.0 Credit

Prerequisite/s: Completion of summer reading requirement and a recommendation from previous English teacher.

**Description:** For the student who loves to read and write fiction and poetry. This course will engage students in studies of classic works of literature, poetry, and art, with a focus on thematic units that include: War and Peace; Love and Romance; and Family and Individuality. Works span a wide chronology, from Sophocles' *Antigone* to Shakespeare's *Othello* to the very contemporary *Exit West* by Moshin Hamid. Students will be well prepared to take the AP Literature exam in the spring.

# SOCIAL SCIENCES

Graduation Requirements:

4 Credits

## Human Geography

Grade - 9 Full Year - 1.0 Credit

Prerequisite/s: None

**Description:** Human Geography is a yearlong course that focuses on the distribution, processes, and effects of human populations on the planet. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Global case studies

as well as local examples will be studied as students practice the spatial thinking skills of geographers. Developing note-taking, writing and study skills will also be a focus in this 9th grade course.

### **AP Human Geography**

**Grade - 9 Full Year - 1.0 Credit**

**Prerequisite/s: None**

**Description:** AP Human Geography is a yearlong course that focuses on the distribution, processes, and effects of human populations on the planet. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Emphasis is placed on geographic models and their applications. Case studies from around the globe are compared to the situation in both the United States and locally in our state. Students will practice the types of questions and essays found on the AP Human Geography exam. This college-level course prepares students to take the AP Human Geography exam.

### **World History**

**Grade - 10 Full Year - 1.0 Credit**

**Prerequisite/s: Geography**

**Description:** World History is a yearlong course that focuses on the development, dynamics, distribution, and effects of humankind on the planet. We emphasize knowledge of and appreciation for the contributions of both Western and non-Western civilizations from prehistory through modern times. Using primary documents to explore literature, artifacts, and other social sciences, students will practice evaluating sources and crafting arguments to explain historical phenomena. The course is organized around cultural, political, economic, and social themes. Writing, active reading, note-taking skills, and critical thinking skills will also be developed.

### **AP World History**

**Grade - 10 Full Year - 1.0 Credit**

**Prerequisite/s: None**

**Description:** AP World History is a yearlong course that emphasizes the development of historical thinking skills alongside the study of global cultures from 1200 CE to the present. AP World History focuses on five basic themes in studying history: interactions with the environment, development of cultures, political state building and conflict, creating economic systems, and transforming social structures. AP World History will build the skills necessary to be analytical students of history by focusing on the four thinking skills of AP World History: crafting historical arguments using primary sources, applying chronological reasoning, comparing and contrasting historical processes, and evaluating various historical interpretations. This college-level course prepares students to take the AP World History exam.

### **U.S. History**

**Grade - 11 Full Year - 1.0 Credit**

**Prerequisite/s: None**

**Description:** United States History is a year long course that provides an essential understanding of the formative events that have shaped us as a people. The course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and ideas that comprise United States history. Building on prior knowledge and course work, U.S. History focuses on specific touchstones, or topics, that have impacted the development of America. These topics are set within their historical context and presented chronologically. The topics focus not simply on political history, but rather give students an understanding of all facets of US History and culture. Students will examine these topics using all of the disciplines of the social sciences (Anthropology, Geography, Economics, Sociology, Psychology, and Political Science) in order to form deep connections to the topics.

## AP U.S. History

Grade - 11 Full Year - 1.0 Credit

Prerequisite/s: None

**Description:** The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The program prepares students for college courses. Students learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. Students will develop an awareness of multiple interpretations of historical issues in secondary sources and be able to compare developments or trends from one period to another. This course prepares students to take the AP United States History exam.

## AP Microeconomics/AP Macroeconomics

Grade - 11-12 Full Year - 1.0 Credit

Prerequisite/s: None

**Description:** Microeconomics studies the functions of individual decision makers, both consumers and producers, within the economic system. It includes a study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Macroeconomics gives students a thorough understanding of the principles of the economic system as a whole. It emphasizes monetary and fiscal policies that affect unemployment and inflation as well as international trade and the value of currency. This college-level course prepares students to take the AP Microeconomics and AP Macroeconomics Exams.

## AP Government and Politics: United States

Grade - 11-12 Full Year - 1.0 Credit

Prerequisite/s: None

**Description:** This yearlong course focuses on the discussion of problems and characteristics of the modern United States

political system. No prior AP course experience is necessary to be successful in this class. The course emphasizes discussion and analysis of key issues in American politics including the relationships between Congress, the President, the Courts and the Bureaucracy; as well as how the media and interest group impact the political system. The course also focuses on campaigns, elections and an in depth look at civil rights and civil liberties. The class is designed to prepare students for college level coursework in political science and related social sciences and includes frequent discussion of political events and application of key concepts in American politics to current political situations. This course prepares students to take the Advanced Placement exam in Government and Politics: United States.

## United States Economics and Politics

Grade - 12 Full Year - 1.0 Credit

Prerequisite/s: None

**Description:** This full year course will cover the fundamentals needed to understand how the United States economic and political systems function. Understanding the principles taught in the economics portion of this course will enable students to have a basic knowledge of the workings of the U.S. economy. We highlight the components of basic economic macro and micro principles, and outline micro-economic principles associated with individual businesses and households including trade-offs and scarcity. The macroeconomics concepts we'll explore delve into the Federal Reserve System and issues associated with inflation, unemployment and a worldwide economy. The course builds on a fundamental knowledge of American government and helps students understand the political process and how individual citizens play a vital role in establishing policy. Students will also explore the problems and controversies prevalent in our republic and evaluate solutions and arguments that often come up in political discourse. A realistic appraisal of government and politics is emphasized and critically analyzed in a constructive way.

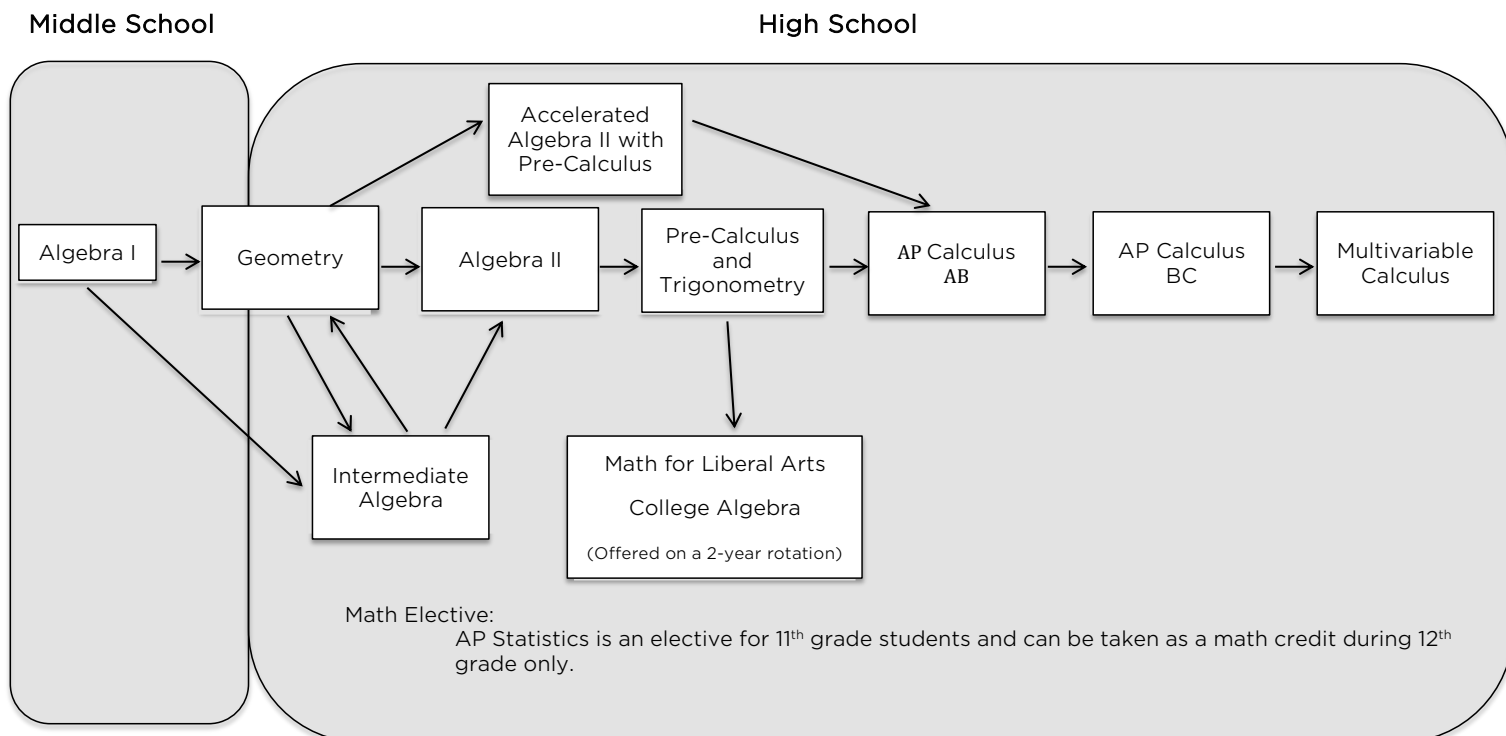


# MATHEMATICS

## Graduation Requirements: 4 Credits

Rather than progressing by grade level,  
Math courses follow a content and skill progression.  
Refer to the flow chart below to note the Math course sequence.

### MATHEMATICS Course Sequence Overview



#### Intermediate Algebra

Full Year - 1.0 Credit

Prerequisite/s: Teacher recommendation

**Description:** This course will develop and reinforce algebraic skills. It will begin with a review of the rectangular coordinate system, graphing, and linear functions and move on to other functions, including absolute value, exponential, and quadratic. Students will study data analysis and probability. Further topics will include factoring polynomials, solving systems of equations and inequalities, radicals and rational functions. These topics will be studied using graphic, numeric, symbolic and verbal methods. The course will utilize investigation, projects and presentations to ensure understanding is conveyed through communication.

#### Geometry

Full Year - 1.0 Credit

Prerequisite/s: Algebra I or Intermediate Algebra

**Description:** Geometry focuses on spatial relationships, proof, and probability in addition to strengthening algebraic skills. Topics include: transformations, symmetry, relationships between figures, measurements and properties of plane figures, measurements of three-dimensional shapes, tools for analyzing and measuring shapes, and investigation and proof.

## Algebra II

Full Year - 1.0 Credit

Prerequisite/s: Algebra I and Geometry

**Description:** Algebra II covers all topics that are traditionally covered in a second-year algebra course. Real-world problems are included along with application to other subjects. Topics include, but are not limited to, the structure of the real numbers system with an extension into the complex number system, mathematical functions (constant, linear, quadratic, polynomial, inverse, radical, rational, logarithmic, exponential), sequences and series (arithmetic, geometric).

## Accelerated Algebra II with Pre-Calculus

Full Year - 1.0 Credit

Prerequisite/s: Teacher recommendation or Skills Exam taken before start of school year

**Description:** This course is intended for the student who would like to participate in an accelerated math sequence. This class combines coursework from Algebra II and Pre-calculus into 1 year of content. Students will deepen their knowledge of functions by analyzing a variety of equations including polynomial, exponential, logarithmic, inverse, and piecewise functions. Students will apply their knowledge of the unit circle and the trigonometric identities to explore advanced trigonometric functions. Additional topics include matrices, vectors, and preparation for Calculus topics such as rates of change and limits.

## Pre-Calculus with Trigonometry

Full Year - 1.0 Credit

Prerequisite/s: Algebra II

**Description:** This course fully integrates topics from Algebra, Geometry, Trigonometry, and Discrete Mathematics. Topics include, but are not limited to: transformations, advanced trigonometry, area under a curve, piecewise functions, exponentials and logarithms, limits, rates of change, vectors and parametric equations, polar and complex numbers, and conic sections.

## Math for Liberal Arts (Elective)

Full Year - 1.0 Credit

Prerequisite/s: Algebra II

**Description:** Topics selected from: mathematical reasoning, natural number patterns, geometry, combinatorics, elementary probability and statistics, financial mathematics, numeration systems, and selected current topics to give students practical applications of mathematics for their daily lives. This course is an alternative for students who don't want or need to pursue work in Calculus.

## AP Calculus AB

Full Year - 1.0 Credit

Prerequisite/s: Pre-Calculus

**Description:** AP Calculus AB is designed for prospective mathematics majors and students interested in engineering, computer science, physics, business, or the life sciences. The course is the equivalent of a first semester college Calculus course. Topics include optimization, limits, differential equations, derivative and integral applications, volumes of revolution, and the Fundamental Theorem of Calculus. Students are encouraged to take the AP Calculus AB exam upon completion.

## AP Calculus BC

Full Year - 1.0 Credit

Prerequisite/s: AP Calculus AB

**Description:** This course is a continuation of Calculus AB, covering material included in a second semester college Calculus course. The course will also include other advanced mathematical topics such as Differential Equations and Linear Algebra. Students are encouraged to take the AP Calculus BC exam upon completion.

## Multivariable Calculus

Full Year - 1.0 Credit

Prerequisite/s: AP Calculus BC

**Description:** The material in this course is equivalent to Calculus 3 in a semester college curriculum. Topics include: multivariable functions, three-dimensional analytical geometry, partial derivatives, multiple integrals, curves and surfaces, vector fields, Green's Theorem, Stokes' Theorem, and Divergence Theorem.

Applications include but are not limited to science, engineering, economics, and ecology.

**AP Statistics** may be used by seniors as a fourth-year mathematics credit upon successful completion Algebra II and approval by Principal Sachariason. Please check with the colleges you are applying to, to ensure that this course will satisfy their admissions expectations. Otherwise elective credit will be granted for this course. See elective section for course description.

## SCIENCE

### Graduation Requirements: 4 Credits

#### Earth Science

**Grade - 9 Full Year - 1.0 Credit**

**Prerequisite/s: None**

**Description:** This 9th grade course will cover Earth's processes and place in the universe. Students will study topics including the origin of the universe, evolution of the solar system, Earth's interior and plate tectonics, energy and matter in Earth systems, landscapes and surface processes, geologic history, weather and climate, oceans and water resources, Minnesota soils and geology, and human impacts on Earth systems. Students will build skills in analyzing and interpreting data, using models in scientific method and reasoning, and using simple mathematics to explain and predict natural phenomena.

#### Biology

**Grade - 9 Full Year - 1.0 Credit**

**Prerequisite/s: None**

**Description:** Biology will cover elements of the following: biochemistry, cell structure, organelles, mitosis, cancer, meiosis, genetic diversity, mutations, microbiology, molecular genetics, heredity, evolutionary biology, comparative genomics, classification, phylogeny, structure and function of animals, photosynthesis, respiration, plant biology and ecology. Student work will involve book assignments, online assignments, worksheets and projects. Students will develop skills in designing inquiry-based laboratory activities and writing complete lab reports. Students are expected to engage cooperatively in class discussions and group activities. The

level of learning in this course is designed to sufficiently prepare students for AP Biology. The grading for this course is heavily weighted on test scores and completed lab reports or presentations.

#### Honors Biology

**Grade 9 Full Year - 1.0 Credit**

**Prerequisite/s: Teacher recommendation**

**Description:** This class covers Biology topics in depth and is an excellent preparatory class for AP Biology, and advanced Biology elective classes. Topics covered include: Biochemistry, Cell Structure and Function, Cellular Energetics, Heredity, Molecular Genetics, Biotechnology, Evolutionary Biology, Classification and Phylogeny, Plant and Animal Physiology and Ecology. Topics are covered to a greater depth than in General Biology and there is an expectation that students have a strong background in algebraic math and graphing. The lab component is a major part of this class with regular in-depth inquiry lab activities that may require formal lab reports. Learning material include textbooks, published research articles and online tutorials. Students are expected to work well in groups for designing studies and analyzing data. Student work will involve book assignments, supplemental online worksheets, labs, quizzes, exams and projects.

#### Physics

**Grade - 11 Full Year - 1.0 Credit**

**Prerequisite/s: Algebra II**

**Description:** In this course we will study in considerable depth such fundamental physics topics as kinematics, mechanics, energy, momentum, thermodynamics, waves, electricity, magnetism and atomic/nuclear physics. Sound knowledge of algebra and trigonometry is REQUIRED for the course. Some basic calculus concepts will be introduced in connection with physics phenomena (i.e. acceleration, work, impulse), but it is not assumed that students will have taken calculus before or in conjunction with Physics.

#### AP Physics C: Mechanics

**Grade - 11-12 Full Year - 1.0 Credit**

**Prerequisite/s: Calculus AB or concurrent enrollment**

**Description:** In this course we will study in considerable depth fundamental physics topics in mechanics, including both linear and rotational kinematics and dynamics.

Sound knowledge of algebra, trigonometry and calculus is REQUIRED for the course. All students will be well prepared to take the AP Physics C: Mechanics exam.

## LANGUAGES

### Graduation Requirements: 2 Credits

World Language Courses are yearlong and may not be dropped mid-year.

#### Latin I (Elective)

Grade - 9-12 Full Year - 1.0 Credit

Prerequisite/s: None

**Description:** This course begins a two-year sequence designed to introduce students to the vocabulary and grammar of the Latin language. Daily readings, vocabulary study and translation will be the focus of homework, while class time will be spent mastering such grammar concepts as basic verb conjugation and noun declension, the use of case endings, giving commands, the agreement of adjectives and the formation of adverbs. Successful completion of the course will find students able to read basic Latin texts.

#### Latin II (Elective)

Grade - 10-12 Full Year - 1.0 Credit

Prerequisite/s: Latin I

**Description:** Latin II is a continuation of the grammar and vocabulary introduced in Latin I. Students will find daily readings longer and more complex as instruction centers around conjugation of all verb tenses in both the active and passive voices, the declension of all noun families, the use of participles and infinitives, the construction of indirect statements, the comparison of adjectives and adverbs, and the use of irregular verbs, among other topics. Students will explore passages in both modified and unabridged Latin.

#### Latin III (Elective)

Grade - 11-12 Full Year - 1.0 Credit

Prerequisite/s: Latin II

**Description:** This Latin literature course focuses not just on reading and translating Latin, but also on understanding, analyzing and interpreting the literature. Students will acquaint themselves with the epic and love

poetry of Ovid, Horace and Catullus and become familiar with the times and circumstances under which these poets lived. Mythology and ancient religion will be a major theme of the course, as students will be reading in its entirety in English Ovid's mythological masterpiece, "the Metamorphoses", and translating passages as well. The year will end with an analysis of the life of Julius Caesar.

#### Honors Latin IV: Vergil and Caesar

(Elective) Grade - 12 Full Year - 1.0 Credit

Prerequisite/s: Latin II

**Description:** This Latin literature course focuses not just on reading and translating Latin, but also on understanding, analyzing and interpreting the literature. Students will acquaint themselves with selections from Vergil's "Aeneid" as well as Julius Caesar's commentary on the Gallic Wars. The "Aeneid" will be read entirely in English; students will translate select passages throughout the book as well. The course will also explore the historical context and influence of Vergil and Caesar as well as the impact of the civil wars of the 1st century BCE on Roman politics and society. Roman history will be examined thoroughly from the foundation of the Republic through the collapse of the Empire.

#### Spanish I (Elective)

Grade - 9-12 Full Year - 1.0 Credit

Prerequisite/s: None

**Description:** Students will begin to acquire the language through strategies which focus on comprehension, personal interest, and repetition. Emphasis is placed upon communicating in the target language about familiar themes including school, family, travel, and the culture of the people who speak this modern world language. We will also read level appropriate novels to provide students more access to Spanish in context.

#### Spanish II (Elective)

Grade - 9-12 Full Year - 1.0 Credit

Prerequisite/s: Spanish I or instructor approval

**Description:** Students continue to explore the language and the cultures of the people who speak this modern world language. Students further their ability to understand spoken and written Spanish. Topics may

include sports, dating in Latin America, songs from the Spanish-speaking world, and important historic events. We will also read level-appropriate novels to provide students more access to Spanish in context. Communication will take place in Spanish and we will focus on high frequency vocabulary through repetition, comprehension, and personal interest.

### **Accelerated Spanish II-III (Elective)**

**Grade:** 10-12 **Full Year - 1.0 Credit**

**Prerequisite/s:** Spanish I or instructor approval

**Description:** Students continue to explore the language and the cultures of the people who speak this modern world language. Students further their ability to understand spoken and written Spanish. Topics may include sports, dating in Latin America, songs from the Spanish-speaking world, and important historic events. We will also read level-appropriate novels to provide students more access to Spanish in context. The second semester will focus on communicating about events in the past. Communication will take place in Spanish and we will focus on high frequency vocabulary through repetition, comprehension, and personal interest. This course is a combination of Spanish II and III, focusing on the most important topics from each course.

### **Spanish III (Elective)**

**Grade - 10-12 Full Year - 1.0 Credit**

**Prerequisite/s:** Spanish I, II or instructor approval

**Description:** Students will utilize their previously acquired language skills in order to work towards fluency in the target language. Students will develop their command of the language by reading short novels and communicating predominantly in the target language on a variety of topics. We will also read level appropriate novels to provide students more access to Spanish in context.

### **Honors Spanish IV (Elective)**

**Grade - 11-12 Full Year - 1.0 Credit**

**Prerequisite/s:** Successful completion of Spanish through level III or instructor approval

**Description:** Students will improve and refine their previously acquired language skills. Emphasis will be placed upon the integration of novels, facilitation of class discussions, writing and reading tasks, and comprehension of practices and products of the target culture. We will also read level appropriate novels to provide students more access to Spanish in context.

### **AP Spanish (Elective)**

**Grade - 11-12 Full Year - 1.0 Credit**

**Prerequisite/s:** Successful completion of Spanish through level IV or instructor approval

**Description:** AP Spanish will complete an advanced placement curriculum, which will include reading and listening to authentic Spanish texts, discussions in the target language, and writing essays and emails in Spanish. Evaluations will be modeled on the AP exam. The course will be structured around the six AP Language and Culture themes: global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics. Students are encouraged to take the AP exam in May.

## **FINE ARTS**

### **Graduation Requirements: 2 Credits**

All Music courses that are yearlong may not be dropped mid-year.

### **Concert Band (Elective)**

**Grade - 8-12 Full Year - 1.0 Credit**

**Prerequisite/s:** Entrance determined by audition

**Description:** This performing ensemble is open to students in grades 8-12 who play woodwind, brass, and percussion instruments or are interested in learning an instrument. Students will develop their technical and musical abilities on their instruments through scale studies, rhythm exercises, chorales, and full band pieces. Students are assessed through playing tests, written exercises, and concert performances. Students participate in three band concerts throughout the year, one pep band

performance, and the SCPA Solo and Ensemble Festival with a small ensemble.

### **Wind Ensemble (Elective)**

**Grade - 9-12 Full Year - 1.0 Credit**

**Prerequisite/s: Entrance determined by audition**

**Description:** This advanced performing ensemble is open to students in grades 9-12 who play woodwind, brass, and percussion instruments. Students will work toward competency in all areas of music (performing, composing, conducting, listening, discussing) so that they understand what they play and why. The band will develop technical skills through the use of scale studies, rhythm exercises, and chorales. These skills will be put to use in the performance of quality repertoire, which ranges from band classics to modern compositions. Students are assessed through playing tests, written exercises, listening homework, and performances. Required performances include three full band concerts at SCPA, a performance at the MSHSL Large Group Contest, and participation in the SCPA Solo and Ensemble Festival in both a solo and small ensemble event. Private lessons outside school are encouraged. Students in Wind Ensemble earn Honors credit.

### **Jazz Band (Elective)**

**Grade - 9-12 Full Year - 1.0 Credit**

**Prerequisite/s: Entrance determined by audition. Students in Jazz Band as a freshman or sophomore must be enrolled concurrently in Concert Band or another large group ensemble.**

**Description:** Jazz Band covers the music considered America's earliest original art form with a foundation in blues and swing music through Latin, funk, and other styles. Students also study jazz theory and improvisation. The group performs at SCPA, in the community, and at regional jazz festivals. Private lessons outside of school are strongly encouraged. Students in Jazz Band may enroll in the fall in Honors Jazz Band, a sub-section of the full band with an additional class meeting and a focus on developing improvisation and performance skills.

### **Concert Choir (Elective)**

**Grade - 9-12 Full Year - 1.0 Credit**

**Prerequisite/s: None**

**Description:** This is a non-auditioned, mixed choir of sopranos, altos, tenors, and basses. Singers will develop skills in sight-singing, reading music notation, choral score reading, singing technique, choral blend and artistry, music theory/history, and team building. Concert Choir will study and sing a wide variety of musical styles and perform in 3-4 concerts during the year. Students will have one 30-minute voice lesson every other week and will be encouraged to participate in Solo and Ensemble Contest. Choir members will have the opportunity to audition for various MN Honors Choirs.

### **Chamber Choir (Elective)**

**Grade - 10-12 Full Year - 1.0 Credit**

**Prerequisite/s: Entrance determined by audition**

**Description:** The Chamber Choir is an auditioned ensemble group of 10th through 12th grade sopranos, altos, tenors, and basses. Membership is based on musicianship skills, ear training, ability to sing independently and work ethic. Singers will focus on singing technique, blend, balance, intonation, and musical independence. This choir will learn rigorous material and repertoire will span a variety of styles. Singers will have one 30-minute voice lesson every other week. Students in Chamber Choir are required to participate in several evening concerts, the MSHSL Large Group Contest, and Solo and Ensemble Festival. Extra singing opportunities including guest clinicians, short traveling performances, contests, and retreats will also be scheduled throughout the year.

### **Collaborative Piano**

**Grade - 9-12 Full Year - 1.0 Credit**

**Prerequisite/s: Enrolled by audition and must be studying with a private teacher or have had private lessons**

**Description:** Collaborative Piano is a course for advanced piano players who wish to gain experience in accompanying. Students will receive instruction to accompany both instrumental and vocal groups and solos. They will learn techniques to follow directors, musicians, as well as harmonize a melodic line, compose choral

accompaniment and lead sectional rehearsals. Students will accompany choirs/ensembles during the school day; as well have the opportunity to accompany groups at concerts, festivals, and solo and ensemble contests.

### **Concert Orchestra (Elective)**

**Grade - 9-12 Full Year - 1.0 Credit**

**Prerequisite/s: Entrance determined by audition**

**Description:** This performing ensemble is open to students in grades 9-12 who play violin, viola, cello, or bass. Students will develop their technical and musical abilities on their instrument through scales, rhythm studies, shifting, vibrato, and string ensemble pieces. Students are assessed with playing tests, written exercises, listening homework and concert performances. Students participate in three orchestra concerts through the year. Private lessons outside school are strongly recommended.

### **Chamber Orchestra (Elective)**

**Grade - 9-12 Full Year - 1.0 Credit**

**Prerequisite/s: Entrance determined by audition**

**Description:** This advanced performing ensemble is open to students in grades 9-12 who play violin, viola, cello, or bass. Students will focus on musical phrasing and technique on their instrument through advanced repertoire that requires shifting, vibrato and high-level bow technique. Students are assessed with playing tests, written exercises, listening homework and concert performances. Students participate in 3-5 concerts through the year and a field trip to MSHSL Large Ensemble Contest. Private lessons outside school are strongly recommended.

### **AP Music Theory (Elective)**

**Grade - 10-12 Full Year - 1.0 Credit**

**Prerequisite/s: Teacher Recommendation**

**Description:** AP Music Theory is designed for students who want to develop their written music theory, aural, and sight-singing skills. Students also apply music theory to music composition and cover a broad outline of Western music history. Extensive prior musical experience is required for this course. Students who do well in this class are

well prepared to take the AP Music Theory Exam.

### **Drawing I (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**

**Prerequisite/s: None**

**Description:** This course introduces students to drawing as an art form. In this class students explore the basic techniques of drawing using a graphite, charcoal, pen, and color pencil. Students will develop a working knowledge of compositional space, still life, perspective, portraiture, as well as artists and historical concepts that have shaped the way we view the art of drawing today. This class will rely heavily on the art of seeing and help students to become more proficient at direct observation techniques as well as working with reference images. This is an excellent class for students who want to learn about drawing and drawing materials.

### **Drawing II (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**

**Prerequisite/s: Drawing I or letter of recommendation from previous school and digital images of student's previous work or instructor approval**

**Description:** This course builds upon the techniques, tools, and media that students worked with throughout their semester in Drawing I and adds new materials such as oil and chalk pastels. Students will continue to enhance their understanding and technical skills by adding more skill, depth, and concept to the images they are working with. Students will be pushed to find their personal style, study major trends and influences in contemporary art while working on a variety of the solutions.

### **Painting I (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**

**Prerequisite/s: Drawing I**

**Description:** This course is designed to introduce students to painting as an art form. In this class, students explore basic techniques of painting using acrylic paints, watercolor, and mixed media. Students will develop a working knowledge of color theory, composition, texture techniques, mark making and meaning in art. Art history and contemporary art will be studied.

Students will learn to paint from direct observation and using reference images.

### **Painting II (Elective)**

**Grade - 10-12 1 Semester -.50 Credit**

**Prerequisite/s: Painting I**

**Description:** This course is designed to build upon the techniques and subject matter presented in Painting I. Students will further develop their understanding of techniques such as watercolor, acrylic, tempera, and mixed media. The subject matter and historical periods covered will depend upon the Painting I curriculum and pick up from what could not be fully covered.

### **Ceramics I (Elective)**

**Grade - 10-12 1 Semester -.50 Credit**

**Prerequisite/s: Drawing I**

**Description:** This class is designed to enhance the technical, functional, historical and aesthetic understanding of working with clay. Students taking this class will explore a variety of techniques both historical and contemporary alongside the study of cultural influences. Students will investigate sculptural clay methods, the process of glazing, and different firing methods.

### **Ceramics II (Elective)**

**Grade - 10-12 1 Semester -.50 Credit**

**Prerequisite/s: Ceramics I**

**Description:** This class is designed to build upon the skills, strategies and techniques that were introduced in Ceramics I. Students will go into greater depth exploring glaze effects, wheel throwing techniques, hand building methods, and ceramic traditions and influences. Students will engage in independent work and create a body of pieces displaying throwing or hand building methodology. Research of ceramic artists and ceramics history is presented alongside clay making.

### **Printmaking (Elective)**

**Grade - 10-12 1 Semester -.50 Credit**

**Prerequisite/s: Beginning Drawing is required. Beginning Painting is encouraged and most helpful.**

**Description:** Printmaking is an amazing art process used by artists from many disciplines that combines drawing, painting,

carving, layering, and mixed media. This course teaches students the principles and techniques of relief/linoleum prints, mono-prints, collographs, etchings, and gel printing/foam printing. Students will develop the technical aspects of each process and work with units that use the imagery of endangered species, historical buildings and architecture, social change, and independent ideas and drawing subject matter that students feel successful with. This class also explores a variety of historical and contemporary examples in printmaking to help students understand each medium and how it relates to their own work and the work of other artists.

### **Honors Art (Elective)**

**Grade - 11-12 1 Semester -.50 Credit**

**Prerequisite/s: Minimum of three Upper School art classes in a variety of 2D and/or 3D disciplines, portfolio of 5 different works of art in different media, paragraph on why you would like to take this course, and instructor approval.**

**Description:** This class is designed for the art student who has taken a variety of 2D and/or 3D classes and is wanting to expand their knowledge of other mediums and approaches to art making as well as develop their personal style. The class is designed to help the mature art student problem solve a variety of techniques, materials, and art history that have not been covered in previous art classes. Methodologies might include but are not limited to printmaking, sculpture, textiles, painting, experimental drawing, and mixed media. Students taking this class will be encouraged to explore and produce art that exemplifies their personal style and passion in art, by diving deeper into advanced materials as well as off-site museum visits, guest artists, field trips and open studio sessions.

### **AP Art History (Elective)**

**Grade - 10-12 Full Year - 1.0 Credit**

**Prerequisite/s: None\***

**Description:** The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Field trips to Minnesota's premier art museums round out the full experience of the course, and provide a fantastic framework for



participation in SCPA's Educational Travel Programs. AP Art History is the equivalent of a two-semester introductory college or university art history survey course. *\*There is no prerequisite for this course but to be successful you need the ability to read a college-level textbook and write well.*

### **Yearbook (Elective)**

**Grade - 10-12 Full Year -1.0 Credit**  
**Prerequisite/s: Completed Application and instructor approval**

**Description:** Students interested in constructing the SCPA Yearbook will have an opportunity to develop their graphic design and leadership skills, explore journalism and photography while adhering to timely deadlines. This class can be taken each year. Students interested in joining yearbook must fill out an application for the course and submit it with their schedule request to the Upper School office. Once applications are reviewed, interviews will be scheduled with applicants to determine acceptance into the course. Applications will be made available in the upper school office and in the art room (103B).

### **Digital Photography I (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**  
**Prerequisite/s: None**

**Description:** Introduction to Digital Photography is a course designed to introduce students to the camera, editing software, and website building used in the medium of photography today. Students will learn how to use different settings with their cameras to create personal imagery and will begin to develop a visual vocabulary to discuss and write about photography.

### **Digital Photography II (Elective)**

**Grade - 10-12 1 Semester -.50 Credit**  
**Prerequisite/s: Digital Photography I**

**Description:** In Digital Photography II, students will continue to develop their voice and artistic style when creating digital photographs. Students will delve deeper into Photo History and learn about major movements and trends. Advanced editing and camera settings will be uncovered and utilized in this course.

### **Graphic Design**

**Grades 9-12 1 Semester -.50 Credit**  
**Prerequisite/s: Drawing I**

**Description:** Graphic Design is a creative process that combines art and technology to communicate ideas. This course will give students a foundation in Graphic Design by introducing them to the various aspects of the Graphic Design field. Students will work on projects utilizing industry standard software like Affinity Photo and Affinity Designer and then use post production techniques for finishing and mounting to create mock-ups that simulate a real-world design studio. Students will be introduced to the basic design principles, processes, techniques, and history to enhance their design and creative problem solving. Students will need a foundation in drawing to assist in their initial designs.

## **PHYSICAL EDUCATION**

**Graduation Requirements: 1 Credit**

### **Physical Education/Health (Required)**

**Grade - 9-12 1 Semester -.50 Credit**  
**Prerequisite/s: None**

**Description:** This class will focus on refining skills for a variety of lifelone fitness activities while increasing comprehension of the sport, play and teamwork. Fitness is the core focus. Students will run the mile, test their core strength, and measure their flexibility in the fall and spring. Health Education will also be worked into this course. It is preferred that this course be taken as a freshman or sophomore.

### **Recreational Sports (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**  
**Prerequisite/s: None**

**Description:** This course will explore various recreational sports and leisure activities in a more relaxed environment. Some of the activities included are archery, yard games, badminton/pickle ball, volleyball, winter outdoor activities, bowling and more.

### **First Aid and CPR (Elective)**

Grade - 9-12 1 Semester -.50 Credit  
Prerequisite/s: None

**Description:** This course is a great opportunity for those who may be interested in a career in the health field, babysitters, athletes and those who want the experience. Students will learn proper first aid for common injuries, burns, treatment of a choking victim and much more. Knowing CPR can save a life in cardiac arrest situations. In this course students will become American Red Cross first aid and CPR/AED certified. Training will be hands on and classroom based.

### **Fitness for Girls (Elective)**

Grade - 10-12 1 Semester -.50 Credit  
Prerequisite/s: None

**Description:** This course is designed for girls only who are looking to explore a variety of different workout options. It will emphasize personal fitness through strength training, cross training and cardiovascular training. Some of activities will include weights, yoga, pilates, kick boxing and much more.

### **Weights and Conditioning (Elective)**

Grade - 10-12 1 Semester -.50 Credit  
Prerequisite/s: Physical Education/Health

**Description:** This is a great course to stay on top of or improve your physical fitness. Students will set personal fitness goals and work to achieve them during the semester. As we work to achieve those goals, we will explore different types of workouts and training methods including circuit training, 5K training and various other programs.

### **Team Sports Fall (Elective)**

Grade - 10-12 1 Semester -.50 Credit  
Prerequisite/s: None

**Description:** In this course students gain instruction and strategies to participate in various team sports during the fall season. Some of the sports will include soccer, football, volleyball, team handball, floor hockey and much more. The concepts of cooperation, teamwork and sportsmanship are stressed.

### **Team Sports Spring (Elective)**

Grade - 10-12 1 Semester -.50 Credit  
Prerequisite/s: None

**Description:** In this course students gain instruction and strategies to participate in various team sports during the spring season. Some of the sports will include team handball, basketball, softball, cricket and much more. The concepts of cooperation, teamwork and sportsmanship are stressed.

### **Hybrid Personal Fitness (Elective)**

Grade - 10-12 1 Semester -.50 Credit  
Prerequisite/s: Physical Education/Health

**Description:** This class will be offered zero hour meeting 2 days a week. Students will be able to develop an understanding of fitness concepts and design a personal fitness program while developing an individualized level of health-related fitness. Students will work to improve cardiovascular endurance, muscular strength and endurance. Some areas to be covered will be nutrition, anatomy and physiology, fitness principles, and more. There will also be an emphasis on yoga. Students will be expected to workout outside of class meeting days.

## **ELECTIVES**

### **Graduation Requirement: 4 Credit**

(Once graduation requirements have been met any additional credits earned will fulfill elective credit requirements)

### **Debate (Elective) (Fine Arts Credit)**

Grade - 9-12 1 Semester -.50 Credit  
Prerequisite/s: None

**Description:** In this course students will be introduced to the different aspects of formal debate and rhetorical style. Students will develop an understanding of unique critical thinking skills, philosophical approaches to political questions, and impromptu speaking strategies and techniques as methods of defending opposing sides of social issues. Students will learn how to research and evaluate evidence, analyze and counter opposing positions, and debate using formal techniques framed by the National Speech and Debate Association. Students will be required to write argumentative speeches, create files of supporting evidence, and participate in multiple debates in class.

Students enrolled in this course will also have the opportunity to join the extracurricular debate team at SCPA.

### **Speech (Elective) (Fine Arts Credit)**

**Grade - 9-12 1 Semester -.50 Credit**

**Prerequisite/s: None**

**Description:** Students in this course will explore techniques and strategies for increasing one's comfort with public speaking, while also focusing on the process of speech writing, delivery, and audience engagement. Students will explore a variety of speeches, based on formats used in the extracurricular speech activity and also more basic speech styles. Students will develop listening and critical thinking skills, while also learning to overcome speaking anxiety.

### **Journalism I/Prep Quarterly (Elective)**

**Grade- 9-12 1 Semester - .50 Credit**

**Prerequisite/s: None**

**Description:** For students who love to write, draw, photograph, or otherwise feel they have "something to say." This zero-hour course in creative writing (fiction and nonfiction) meets two mornings a week. Students will learn to pitch ideas, offer constructive peer feedback, revise through several stages, and write (or create) with an audience in mind. Apart from contributing to Prep Quarterly, students work to develop their understanding of the elements of literature through a series of playful exercises. You must provide your own transportation to school.

### **Media Matters (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**

**Prerequisite/s: none**

**Description:** More and more, media, be it television, movies, or social media, help shape our culture and identities. In this class, students will apply a critical lens to the variety of media products they are surrounded by in their day to day lives – films, advertising, social media, video games, and news media. This course will emphasize the knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and

responsibly. Topics include ideas like: representation, effects of giant media companies, bias, free speech vs regulation, and the relationship between media and how we see ourselves.

### **American History Through Literature (Elective)**

**Grade- 11-12 1 Semester - .50 Credit**

**Prerequisite/s: None**

This class will be an exercise in gaining an understanding of history through historical novels and biographies. The works studied will be selected in a way that helps students experience history from different perspectives and time periods. The aim of this class is to help students deepen their understanding of important events and eras beyond what a survey course may facilitate, as well as to provide opportunities for students to see connections between the past and present. This course will rely *heavily* on reading and class discussions, with the intent to have all students willingly and enthusiastically contributing to dialogue. Completion of readings and participation in these discussions will be reflected in the final grade. It will also be important for students to ask questions and interact with other students' comments and questions.

### **Leadership I (Elective)**

**Grade- 11-12 1 Semester - .50 Credit**

**Prerequisite/s: None**

**Description:** This is a semester course designed to engage students in the discovery of four crucial cornerstones of leadership including knowing themselves, leading themselves, knowing others, then leading others. We will use various texts by timeless authors such as Stephen Covey and practice self-understanding through personality indicators meant to identify personal strengths and areas of growth. Students will practice leadership skills through mini-class presentations with the option to present in more significant situations outside the classroom. Students will also engage in the ongoing project of funding, planning, and building an Outdoor Learning Center.

## Leadership II (Elective)

Grade- 11-12 1 Semester - .50 Credit

Prerequisite/s: Leadership I

**Description:** This is a semester course intended to build upon skills from Leadership (prerequisite course). Students will dig deeper into taking actionable steps as leaders with more opportunities to lead, with the possibility of developing the Outdoor Learning Center. We will focus specifically on Stephen Covey's, 7 Habits of Highly Effective People, using his workbook to process together his timeless focus on principles of fairness, integrity and honesty. Students are expected and encouraged to engage in daily discussions meant to build resilience and success both in academics and personal life.

## AP Capstone Seminar (Elective)

Grade - 10-12 1 Semester - .50 Credit

Prerequisite/s: Enrolled in Honors English 10 or completion of Honors English 10 or English 10. Exceptions with teacher approval.

**Description:** AP Seminar is a semester course where students build on the research and analysis skills of English classes to investigate the complexity of real-world topics and issues from multiple perspectives. In English classes, students learn to understand and evaluate a sources' arguments and credibility, develop their research skills, and learn to develop an argument. In AP Seminar, students use these skills to examine topics and issues that interest them. They will select, research, and propose solutions to real-world problems. This course is ideal for students wanting to develop the research, analysis, and writing skills that are beneficial in many AP classes and college coursework. AP Seminar is also the first step for students interested in earning the AP Capstone Diploma.

## AP Capstone Research (Elective)

Prerequisite/s: AP Seminar Grade 11-12 Full Year - 1.0 Credit

**Description:** AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Students learn

research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000 - 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students who complete AP Seminar and AP Research have the potential to earn the AP Capstone Diploma.

## AP Art History (Elective)

Grade - 10-12 Full Year - 1.0 Credit

Prerequisite/s: None\*

**Description:** The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Field trips to Minnesota's premier art museums round out the full experience of the course, and provide a fantastic framework for participation in SCPA's Educational Travel Programs. AP Art History is the equivalent of a two-semester introductory college or university art history survey course. *\*There is no prerequisite for this course but to be successful you need the ability to read a college-level textbook and write well.*

## Comparative World Religions (Elective)

Grade - 9-12 1 Semester -.50 Credit

Prerequisite/s: None

**Description:** This course is designed as a comparative approach to studying major world religions and belief systems. Intended for students who have a curiosity and interest in building a global perspective on how different societies understand religion. We will initially build our basic understanding of major world religions including (but not limited to): Judaism, Christianity, Islam, Hinduism, and Buddhism. We will also explore the historic spread of these religions, sacred texts and important people, and the development of sacred rituals and geographic spaces. Students are expected to participate in seminars and

discussions. Students will also research and compare religious ways of life in the context of our modern world.

### **Teacher Cadets (Elective)**

**Grade - 11-12 Full Year -1.0 Credit**  
**Prerequisite/s: Application process**

**Description:** This course offers an innovative curriculum that gives students a chance to get hands-on experience in learning about the field of education. The course is focused on four themes. First, students will be introspective and learn about themselves and others and about how people learn and understanding childhood growth and development. Second, students will examine the history and trends of education as well as the structure and governance of schools. Third, students will gain first-hand experience in a classroom setting observing teachers and working with students to implement effective teaching practices. Fourth, students will reflect on their field experience and look globally at the teaching profession and educational policies. Applications will be made available in the upper school office.

### **Ancient & Medieval Military History (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**  
**Prerequisite/s: None**

**Description:** This course will examine the most important conflicts that have shaped the development of the political history of the west from 500 BCE to 1500 CE. Students will come to understand how the west transitioned from the ancient to the medieval world through the eyes of luminary figures in history such as Alexander, Julius Caesar and Joan of Arc. The course will focus around seminar and the reading of primary source documents as well as appropriate clips from modern film.

### **Modern Military History**

**Grade - 9-12 1 Semester -.50 Credit**  
**Prerequisite/s: None**

**Description:** Modern Military History will focus on the development of the modern political map based upon the major wars of the 20<sup>th</sup> century. It will examine the First and Second World Wars: how they were fought, the role of technology in them, the experience of the combat soldier, and how

these wars helped to forge the modern map of Europe, Southeast Asia and the Middle East. Like Ancient Military History, the course will focus around seminar and the reading of primary source documents as well as appropriate clips from modern film.

### **Intro to the Classical World (Elective)**

**Grade - 9-12 1 Semester -.50 Credit**  
**Prerequisite/s: None**

**Description:** This course will examine the Greco Roman World and its effect on the development of western civilization. Students will read classical works from ancient writers such as Homer, Plato, Sophocles, Herodotus, Caesar, Cicero, Seneca and others in an attempt to see how these works have had an effect on the politics, law, philosophy and culture of the modern world. The course will be an equal mix of philosophy, history, and literature. Students can expect to read primary sources and discuss them in a seminar format.

### **Psychology (Elective)**

**Grade - 10-12 1 Semester -.50 Credit**  
**Prerequisite/s: None**

**Description:** This course is designed to introduce students to the study of psychology. The semester course begins with important concepts and the various fields of psychology. Students will build on that foundation as they study different theoretical approaches and research methods. Major subject areas of this course include: biological bases of behavior, sensation and perception, state of consciousness, learning, cognition, motivation and emotion, development, personality, abnormal behavior, treatment of psychological disorders, and social behavior.

### **AP Biology**

**Grade - 11-12 Full Year - 1.0 Credit**  
**Prerequisite/s: Chemistry or AP Chemistry**

**Description:** This course is the equivalent of a first-semester college biology course. Topics covered include biochemistry, cellular function, cellular energetics, cell communication, heredity, molecular genetics, evolutionary biology, plant and animal behavior, and ecology. The lab component is a major part of this class with

regular in-depth inquiry-based lab activities. Students will learn how to analyze data using statistical methods and how to critically evaluate data sets. Quizzes and exams will reflect the level of questions seen on the AP exam. Students are encouraged to take the AP Biology exam in the spring.

### **Anatomy & Physiology (Elective)**

**Grade - 11-12 Full Year -1.0 Credit**  
**Prerequisite/s: Biology & Chemistry**

**Description:** In this moderately-paced, lab-based class you'll get a solid introduction in identifying anatomical structures and understanding their physiology. We will cover seven units that will take us through all 11 body systems. Successful students will be able to work independently and in groups to learn the major anatomical structures and physiological functions of major body organs. Highlights of the course include: building organ models, ECG labs using Vernier sensors and software, and dissections including cow eye, sheep brain, heart and kidney, and a fetal pig.

### **Introduction to Computer Science w/Python (Elective)**

**Grade - 11-12 Semester - .50 Credit**  
**Prerequisite: Has taken or concurrently taking Pre-Calculus or Accelerated Algebra 2**

**Description:** This course is designed to be an introduction to problem solving with computers using the Python programming language. Topics include, but are not limited to: Logical thinking, design, implementation of algorithms and basic programming structures, conditional statements, loops, recursion, lists, and developing programs to solve real world problems. No prior programming experience is needed to take this course.

### **AP Statistic (Elective)**

**Grade - 11-12 Full Year - 1.0 Credit**  
**Prerequisite/s: Algebra II or College Algebra**

**Description:** The purpose of this course is to introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. The major themes are exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students may take the AP Statistics exam upon completion. Approval from Principal Sachariason is needed to take this course as a math credit instead of as an elective credit.

## SERVICE PROJECT

Graduation Requirement: .50 Credit

### Service Project

Grade - 9-11 Each Year -.10 Credit

Grade - 12 Grad Year -.20 Credit

Prerequisite(s): None

**Description:** With character as a primary component of SCPA's mission, we believe "community" service is a part of character development. Each student has the responsibility and opportunity to give back. Therefore, every student in high school is expected to complete 50 hours of "community" service in order to graduate from St. Croix Prep. Ten hours are required in each grade 9-11 and 20 hours in grade 12. The service project(s) can be done during the school year or the summer before that year begins. The grade level advisor must approve the project(s). Projects should NOT be raising money for something by asking parents, etc. It should require the student DOING something for someone or an agency. Students will submit the project on Google Classroom.

## HIGH SCHOOL PRESENTATION

Graduation Requirement: 1.0 Credit

### High School Speech/Presentation

Grade - 9-12 Each Year -.25 Credit

Prerequisite(s): Previous years  
speech/performance

**Description:** Each year every student in the Upper School will present a speech, performance or project that was part of his/her goal setting at the beginning of the year or represents some significant learning that year. For seniors this presentation is meant to encompass something of importance over your high school experience. The presentation may take many forms. It can be a performance, dance, playing an instrument, singing, or a speech. It will be done some time during the senior year in front of the senior class and other invited guests.