



**THE VILLAGE
SCHOOL**

2018-2019

Upper School

Course of Study

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Table of Contents

General Academic Information – Curriculum	2
Course Descriptions	8
English	9
Mathematics	14
History and Social Science	19
Science	25
World Languages	34
Visual, Culinary and Performing Arts	40
Physical Education	48

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

General Academic Information – Curriculum

The curriculum at The Village School is composed of a core of required courses which form the basis of a strong liberal arts education. As a college preparatory school, The Village School provides each student with a personal course of study which is challenging but which also offers extensive extracurricular opportunities. Many clubs, activities, sports and performance opportunities are available.

Developing a Curriculum Plan

Students are asked in the freshman year to develop, with the guidance of a counselor and the Naviance program, a four-year plan that satisfies the graduation requirements as well as their personal education goals. The purpose is to ensure that students will think through all elective choices carefully. Careful planning helps students avoid being unable to take desired subjects because they have run out of time in their schedules. Advance planning also allows students to make sure they will be prepared for important college admissions exams such as the SAT® or ACT. Students will make revisions to their plans in subsequent years, but it is important always to have a realistic plan that extends to graduation.

Graduation Requirements

To graduate from The Village School students must:

- complete at least 26 academic credits which must include all required courses and credit totals within each department;
- complete at least 1.0 credit (two semesters or seasons) of physical education to include the integration of health & wellness;
- complete 1.0 credit in engineering;
- complete the 30-hour annual community service requirement described in the Parent/Student Handbook; and
- abide by the behavior expectations described in the Honor Code and the Code of Conduct in the student and parent handbook available via the school website.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

The Village School – Academic Planning Chart with Graduation Requirements

The following chart will be used when students meet with the academic team to create a four-year plan. Most courses will have College Prep and Honors levels with select courses offering Advanced Placement (AP®). Students will be allowed to take up to three AP® courses or AP® electives per year beginning their sophomore year. All AP® courses will need a teacher recommendation and the specific department chair’s approval. Students may fulfill the physical education requirement through competitive team sports or through a traditional physical education program. Students may also choose to elect a combination of these programs. Students will complete two semesters of engineering. A minimum of 26 credits/units is required to graduate from The Village School along with 120 community service hours and successful completion of the Senior Capstone Project.

The Village School reserves the right to make changes to curriculum or school programs offered to students without prior notification to parents. A minimum of 5 students are required for each course offered.

	9th	10th	11th	12th	Requirements/Credits
English	English I	English II	English III or AP® English Language	English IV or AP® English Literature	4 required
Math	Progression from Algebra I through AP® Stats or Calculus				4 required
History/Social Science	Human Geography or AP® Human Geography	World History or AP® World History	US History or AP® US History	Government & Economics or AP® Gov & Econ	4 required
Science	Biology w/lab	Chemistry w/lab	Science elective w/lab	Science elective or AP® elective	4 required
World Language	Spanish, French or Latin (2 years must be sequential and in the same language in Upper School)				2 required 3 recommended
Arts	Culinary, Musical, Theater or Visual Arts				1 required
Physical Education	Sports season or semester class = 0.5 credit				1 required
Electives	One unit of Engineering required {1.0 credit/2 semester Engineering courses may count for 1.0 credit of Science}				6+
Total Credits (minimum)					26 (minimum)
Community Service	30	30	30	30	120 hours
Senior Capstone Project					Completed senior year

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

English – 4 years/8 semesters

The first two years have a set curriculum. During the junior/senior years, students may take English or AP® English Language or AP® English Literature.

Mathematics – 4 years/8 semesters

Students must complete four years of mathematics and have completed the following courses: Algebra 1, Geometry, and Algebra 2.

History – 4 years/8 semesters

Human Geography or AP® Human Geography are options for freshman year. The second year students choose between World History or AP® World History. Juniors and Seniors take US History, American Government and Economics or AP® equivalents.

Science – 4 years/8 semesters

Students are required to take 4 years of science, 3 with a laboratory component that include Biology and Chemistry. Additional Science electives include Anatomy & Physiology, Marine Science, Physics, Engineering and AP®.

World Languages – completion of 2 sequential years in any one language in US

Students must complete at least 2 years of a language in the US. This requires two years of study in the same language.

Study of the Arts – 2 semesters

Students must take courses in the arts. They may choose Culinary Arts, Visual Arts, Theater Arts, or Music. Students may take AP® Art History in grades 10-12 if they qualify and are approved.

Physical Education – 2 semesters (or sports seasons)

Students must complete two semester-long Physical Education courses or successfully complete two TVS varsity athletic seasons. Students may complete any combination of Physical Education courses or athletic team participation totaling 2.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Engineering – 2 semesters

Students must complete one semester of a course that emphasizes engineering. {1.0 credit/2 semester Engineering courses may count for 1.0 credit of Science}

Electives – as necessary

Students choose electives as desired to ensure a minimum of six and a maximum of seven courses at all times and a total of at least 26 credits by graduation.

GRADE	POINT VALUE	COLLEGE PREP		HONORS		AP®	
		Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
A+	100-98	4.0	4.0	4.5	4.0	5.0	4.0
A	97-94	4.0	4.0	4.5	4.0	5.0	4.0
A-	93-90	3.7	3.7	4.2	3.7	4.7	3.7
B+	89-87	3.3	3.3	3.8	3.3	4.3	3.3
B	86-83	3.0	3.0	3.5	3.0	4.0	3.0
B-	82-80	2.7	2.7	3.2	2.7	3.7	2.7
C+	79-77	2.3	2.3	2.8	2.3	3.3	2.3
C	76-73	2.0	2.0	2.5	2.0	3.0	2.0
C-	72-70	1.7	1.7	2.2	1.7	2.7	1.7
D+	69-67	1.3	1.3	1.8	1.3	2.3	1.3
D	66-63	1.0	1.0	1.5	1.0	2.0	1.0
D-	62-60	0.7	0.7	1.2	0.7	1.7	0.7
F	59-0	0.0	0.0	0.0	0.0	0.0	0.0

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Academic Policies and Procedures

Students are grouped to give each individual the pace of learning that is challenging but not stressful. Groups are not static. Placement is evaluated on an ongoing basis and can change if performance indicates that coursework is too demanding or insufficiently challenging.

Early in the fall, a student may be considered for a move from a college prep class to an honors section if the student is earning at least an A (94%) in every category that comprises the student's grade in the course. Along with the earned grades, approval from the department and the upper school principal are critical components to such a move as a course load and schedule change of this kind should not be taken lightly. A student earning below a passing grade at any time during a grading period jeopardizes his or her continued placement in an honors or AP[®] section. The teacher will place the student on placement review. If the grade is not raised within this period, the student may be placed in a college prep section.

A student who is doing well in a college prep section but has not met the requirements to move up early in the fall will continue to thrive in the college prep class through the school year. When courses for the following school year are selected at the beginning of the second semester, the student may request to take the next course at the higher level, either honors or sometimes Advanced Placement (AP). Earning a solid A in a college prep course, along with earning department approval, is necessary to move up to an honors or AP course in that department for the following year.

Honors and Advanced Placement classes, ACT Aspire, PSAT/NMSQT[®], SAT[®] and SAT Subject Tests[™], and the ACT

The very significant difference between honors and Advanced Placement (AP[®]) is that the College Board has designated the AP[®] courses as college-level; therefore, the expectation for the level of learning is higher. Additionally, the workload in most AP[®] classes is more than in most honors classes. When creating a four-year plan, students (and parents) need to consider this when determining the cumulative workload for all the classes in any given year. Students who take an AP[®] class at TVS must take the AP[®] test in that subject in May of the same school year in order to receive AP[®]-weighted grade points. Students, who choose not to take the AP[®] test in the same school year, will receive honors-weighted grade points. These three-hour, subject-specific tests are graded on a scale of 1 to 5, and **depending on the test, the score, and the university**, students **may receive credit** towards their college graduation.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Students take the PSAT/NMSQT® (The Preliminary SAT/National Merit Scholarship Qualifying Test) once a year in October starting in 9th grade

- Provides first hand PRACTICE for the SAT test
- Measures critical reading, math problem -solving and writing skills
- Receive feedback
- Enter competition for scholarships in the 11th grade

Students take the Pre-ACT once a year in April starting in 9th grade

- Provides first hand PRACTICE for the ACT test
- Measures English, reading, math and science
- Receive feedback
- Career possibilities that match the student's interests via ACT Interest Inventory

PSAT and Pre-ACT scores are reported to the colleges. These tests show students their areas of strength and where more high school coursework is needed.

Most students take the ACT/SAT® in the second semester of their junior year. SAT® vocabulary words will more closely align with those used in college courses, instead of more obscure and esoteric terms. Every exam will have a reading passage containing an excerpt from either one of the nation's "founding documents" or a text from the "ongoing Great Global Conversation about freedom, justice, and human dignity." Every exam will include source documents from a broad range of disciplines in the reading and writing sections, i.e. science and social studies.

The math portion of the test will focus on three main areas:

1. Linear equations
2. Complex equations or functions
3. Ratios, percentages and proportional reasoning

Test-takers will read a passage before analyzing it in the form of an essay for the optional essay portion of the exam.

- The total exam score will range from 400-1600
- Evidence-Based Reading and Writing section: 200-800 point scale
- Math section: 200-800 point scale
- Students will no longer be penalized for incorrect answers
- The essay will be a separate score and will be optional

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

The SAT Subject Tests™ are one-hour single-subject tests which are scored on a 200-800 scale. Students should plan to take two SAT Subject Tests™, and they should be taken immediately after a student has completed an affiliated course (such as Precalculus for the Math Level 2). Students may consult with their teachers, advisor and the college counselor to determine which SAT Subject Tests™ to take. Some students may find that the ACT is better suited to their style of learning and testing. Most colleges will accept either the SAT® or the ACT, so if a student feels his/her PSAT™ and then SAT® scores do not reflect his/her ability, the ACT can be taken.

Course Descriptions

Course descriptions for every course, separated by department, are given on the following pages. Students are encouraged to read these descriptions prior to signing up for a course. Course and grade prerequisites, if applicable, are given. Unless specified otherwise, semester classes earn one half credit and year-long courses earn one full credit.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

English

The Upper School English curriculum focuses on developing students as energetic readers and purposeful writers, thinkers who are eager to recognize and to make precise choices in diction, syntax, and rhetorical pattern. The critical study of literature as a class fosters an ability to recognize and articulate universal themes that unite across boundaries; independent reading choices ready students for lives as engaged and thoughtful citizens.

English 1 CP (1 year/1.0 unit)

English 1 offers students an introduction to the empowering endeavor of Upper School reading, writing, and thinking. Students begin by establishing habits of mind and practice around vocabulary, annotation, grammar/mechanics, and independent reading. In the second quarter, with a collection of contemporary nonfiction writers as our mentors, we move beyond *what* happens in a piece of text to *how* and *why* it happens. Students learn to listen carefully to authorial choices, thereby growing the strength of their own writing voices. Writing in the first semester focuses on personal essay and narrative. Close reading of selected short fiction gives students an opportunity to hone analytical skills before moving into a second semester introduction to literary genres: poetry (Lowell, Bishop, Frost), drama (Miller, Ibsen), and the novel (Lee). The year finishes with Shakespeare's delightful *Much Ado About Nothing*.

Prerequisite: None

English 1 Honors (1 year/1.0 unit)

In addition to English 1 CP course description, expectations for Honors students include increased volume and a quicker pace in reading, greater depth of analysis in discussion, and a heightened awareness of stylistic sophistication in written work.

Prerequisite: Recommendation from 8th grade English instructor along with a final grade of A, A-, or B+

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

English, cont.

English 2 CP – World Literature (1 year/1 unit)

English 2 investigates ways in which literature has sought to explore the delicate balance between the rights of an individual and the needs of a group. Short fiction by Katherine Mansfield and poetry by Thomas Hardy build a framework within which students study pairings of seminal works by authors of differing ages and cultures. Representative pairings (a tentative reading list) include Golding (*Lord of the Flies*) and Fugard ("*Master Harold*"...and *The Boys*); Satrapi (*Persepolis*) and Lee (*To Kill a Mockingbird*); Shakespeare (*Macbeth*) and Achebe (*Things Fall Apart*). Short fiction and poetry will supplement the study of book-length texts, and tenth grade students will also maintain a robust commitment to independent (choice) reading.

Prerequisite: English 1

English 2 Honors – World Literature (1 year/1 unit)

In addition to English 2 CP course description, students enrolled in the Honors course will also read Shelley (*Frankenstein*) and Zusak (*The Book Thief*); students enrolled at the honors level will be held to higher standards in terms of depth of analysis and sophistication of expression, both in discussion and on paper.

Prerequisite: English 1 and departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

English, cont.

English 3 CP – American Literature (1 year/1.0 unit)

This essentially chronological survey course will also examine thematic threads in American studies and make cross-curricular connections with students' work in American History. Essential questions driving student inquiry focus around identity, freedom and oppression, the "American Dream," and the enduring appeal of the frontier. Units of study will include Nation-Building: Puritan, Colonial, Native American Voices; Romanticism and Transcendentalism; Realism; Suffrage and Civil Rights; The Literature of War; and The American Dream in the 20th Century. The writing focus for the first half of the year is on literary analysis, but students will hone both research skills and personal writing voice with a multi-genre paper in the third quarter, and fourth quarter writing will include enough emphasis on personal and narrative writing to prepare students to begin to crafting college essays. Eleventh graders will continue their commitment to independent reading and maintain a writer's notebook.

Prerequisite: English 2

English 3 Honors – American Literature (1 year/1.0 unit)

This essentially chronological survey course will also examine thematic threads in American studies and make cross-curricular connections with students' work in American History. Essential questions driving student inquiry focus around identity, freedom and oppression, the "American Dream," and the enduring appeal of the frontier. Units of study will include Nation-Building: Puritan, Colonial, Native American Voices; Romanticism and Transcendentalism; Realism; Suffrage and Civil Rights; The Literature of War; and The American Dream in the 20th Century. The writing focus for the first half of the year is on literary analysis, but students will hone both research skills and personal writing voice with a multi-genre paper in the third quarter, and fourth quarter writing will include enough emphasis on personal and narrative writing to prepare students to begin to crafting college essays. Eleventh graders will continue their commitment to independent reading and maintain a writer's notebook.

Prerequisite: English 2 and departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

English, cont.

AP® English Language and Composition

(1 year/1.0 unit)

AP English Language and Composition is, first and foremost, a course in rhetoric. Reading primarily non-fiction texts, students develop an awareness of a writer’s purpose, audience, and tone by analyzing and evaluating rhetorical appeals and fallacies. They then practice synthesizing their understanding of an array of sources (including images and graphics) into carefully crafted, evidence-based, argument-driven essays. Students enrolled in this course are required to sit for the AP® English Language and Composition exam in May.

Prerequisite: English 2 Honors and departmental approval

AP® Literature and Composition

(1 year/1.0 unit)

AP English Literature and Composition is a skills-based college-level course in careful reading and persuasive analysis of imaginative literature. Students read both widely and deeply across four centuries of poetry, fiction, and drama written in English. They revel in the complexities of rich and generous texts, hone their ability to recognize and understand author’s stylistic choices, and ultimately add their voices to the global scholarly conversation by making meaning of their own. Students enrolled in this course are required to sit for the AP® Literature and Composition exam in May.

Prerequisite: English 3 Honors and departmental approval

TVS Writing Center

(1 year/0.5 unit)

A high school or college writing center is a place to which students come for support in all stages of the writing process, from brainstorming, to drafting and revising, right through to proofreading and editing. Student coaches will be trained to help their peers troubleshoot some of the more challenging aspects of paper-writing and will, not coincidentally, become better writers and thinkers themselves as a result. One thing they will not do is sit around correcting other students’ papers all day! This is a significant leadership opportunity, for a writing center not only raises the intellectual and academic tone of a campus, it also builds community. You do not need to be a grammar expert or a punctuation pro to be a writing center coach: you need to be friendly, patient, curious, and interested in learning.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

English, cont.

Public Speaking: TED@TVS (1 semester/0.5 unit)

Did you know that the first TED conference was a flop? Even though it introduced the world to the wonders of Lucasfilm and compact discs and e-books, it took six years before Richard Saul Wurman's idea for the "technology, entertainment, and design" gathering caught on and became a yearly event in Monterey, California. Still, it wasn't until 2006 that the first TED Talks were posted online and the phenomenon --interesting people giving short, persuasive presentations about their powerful passions and great ideas-- took off to become a staple of contemporary life and thought. This course will empower students to explore their own interests and passions, create compelling presentations to share those passions with an eager audience, and practice the public speaking skills required to win over the listener. Students will be required to watch, analyze, and discuss a range of TED talks from the website; to research, develop and write their own talks; and to practice presenting both live and recorded talks.

Archetypes in World Myth (1 semester/0.5 unit)

The more things change, they say, the more they remain the same. So perhaps it comes as no surprise that some of the best-loved stories of modern time are actually based on tales as old as western civilization itself. This course will allow us to make connections across time and space and to recognize the ties that bind us as humans striving to make meaning out of our lives and our world. Our study begins with the exploits of the gods and goddesses of the classical pantheon, and their interactions with heroes and mortals of ancient Greece. A mid-semester project allows students to make cross-cultural connections as they recognize the archetypal patterns that repeat from age to age. We'll finish the semester by reading a selection of contemporary science fiction that still draws much of its thematic power from the ancient archetypes.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Mathematics

Classes within the mathematics department are designed to broaden the mathematical knowledge and skills of our students and to prepare them for higher-level mathematics and courses. With offerings from algebra to AP[®] Calculus and beyond, students are taught to master the fundamental processes while their problem-solving abilities are challenged with increasingly complex material. Placement is determined by the needs and talents of each individual. Students supplement their information resources with the required use of a graphing calculator and/or a laptop computer. Four years of study are required.

Algebra 1 CP (1 year/1.0 unit)

This is a one-year course with some discussion of theory and application beyond basic manipulative skills. Topics include simplifying expressions, solving and graphing equations and inequalities, factoring polynomials, simplifying rational expressions, solving systems of equations and simplifying radicals. The course concludes with the quadratic formula. Students will learn how to use a TI-84+ graphing calculator.

Prerequisite: None

Algebra 1 Honors (1 year/1.0 unit)

This is a one-year course with some discussion of theory and application beyond basic manipulative skills. Algebra 1 Honors involves an in-depth exploration of algebraic concepts, through additional word problems and mathematical labs. Concepts covered in this course include simplifying expressions, solving and graphing equations and inequalities, factoring polynomials, simplifying rational expressions, solving systems of equations simplifying radicals and solving quadratic equations. Students will use a TI-84+ graphing calculator to complete hands on mathematical laboratory experiments. The Honors course concludes with an introduction to Algebra II concepts.

Prerequisite: Recommendation from 8th grade math instructor along with a final grade of A, A-, or B+

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Mathematics, cont.

Geometry CP (1 year/1.0 unit)

This comprehensive two-semester, Euclidean-based geometry course emphasizes and integrates both inductive and deductive reasoning as well as visual-spatial skills. Congruence, similarity, parallelism, perpendicularity and properties of the Euclidean plane are integrated in a continual development and practice of mathematical reasoning. A balanced treatment of theory and application, as well as formal and informal reasoning as demonstrated through written proofs and problem-solving are an integral part of the course work. Students discover new theorems and explore transformations using dynamic software. Once a new theorem is accepted and internalized, students are guided through the formal mathematical proofs of these new conjectures. A graphing calculator is required. A TI-84+ calculator is suggested.

Prerequisite: Algebra 1

Geometry Honors (1 year/1.0 unit)

Areas of study include those listed for the Geometry course. In addition, this course places a greater emphasis on mathematical proof, creativity and transformations. Students are encouraged to explore challenging problems and stretch their sense of mathematics. A graphing calculator is required. A TI-84+ calculator is suggested.

Prerequisite: Algebra 1 and departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Mathematics, cont.

Algebra 2 CP

(1 year/1.0 unit)

This class is designed to provide the structure necessary for a successful transition to Precalculus. Areas of study include, but are not limited to, topics in inequalities (including absolute value), properties and functions of number sets (real and complex), relations and functions, radicals, polynomial equations, quadratic, exponential, logarithmic and trigonometric functions, sequences and series, trigonometric relations and identities and solving triangles. This course is designed to prepare the student for Precalculus. A graphing calculator is required. A TI-84+ calculator is suggested.

Prerequisite: Algebra 1

Algebra 2 Honors

(1 year/1.0 unit)

Areas of study include those listed for the Algebra 2 course. In addition this course places a greater emphasis on mathematical proof and explores variation, analytic geometry and trigonometric relationships. This course is designed to prepare the student for Honors Precalculus. A graphing calculator is required. A TI-84+ calculator is suggested.

Prerequisite: Algebra 1, or Algebra 1 Honors and departmental approval

Precalculus CP

(1 year/1.0 unit)

This course provides a thorough study of relations and functions with a graphing calculator. Algebraic, numerical and graphical techniques are used for understanding and solving problems. The topics covered in this course are polynomial functions, rational functions, exponential functions, logarithmic functions, trigonometric functions, conic sections, sequences & series, parametric equations and a variety of applications.

Prerequisite: Algebra 2 and Geometry

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Mathematics, cont.

Precalculus Honors

(1 year/1.0 unit)

This course provides an intensive study in preparation for advanced placement math courses. The areas of study include the topics covered in Precalculus in addition to systems of equations and inequalities, matrix theory, sequences, series and a survey of discrete algebra. Students will also receive an introduction to calculus, as they begin studying limits.

Prerequisite: Algebra 2, Geometry and departmental approval

AP® Statistics

(1 year/1.0 unit)

AP® Statistics is the high school equivalent of a one-semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing and drawing conclusions from data. Students design, administer and tabulate results from surveys and experiments. Probability and simulations aid in constructing models for chance phenomena. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a graphing calculator, Fathom statistical software and Web-based java applets and activities to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data.

Prerequisite: Precalculus and departmental approval

AP® Calculus AB

(1 year/1.0 unit)

This is a college-level course in calculus designed to prepare the student for the AP® Calculus AB exam. The course covers the calculus of functions of one variable. The appropriate use of technology will be integrated into the course through the use of graphing calculators with computer algebra software on laptop computers. Ideas are explored graphically, symbolically and conceptually. Topics covered include limits, continuity, derivatives, antiderivatives, the Fundamental Theorem of Calculus, and techniques and applications of integration, separable differential equations and slope fields. This course will also prepare students for the AB Calculus Advanced Placement exam (which is required) in May.

Prerequisite: Precalculus and departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Mathematics, cont.

AP® Calculus BC

(1 year/1.0 unit)

This intensive and fast-paced course is a rigorous study of single-variable calculus. The course prepares students for the Advanced Placement Calculus BC exam. Topics include all those listed under Calculus AB plus polar and parametric functions, Euler’s method, applications of integration, polynomial approximations and infinite series, including Taylor Series.

Prerequisite: Precalculus Honors and departmental approval

History and Social Science

The history and social science department introduces students to the disciplines of history and the social sciences. We cover not only the facts and figures of history but also the great concepts, controversies, perceptions and philosophies of the past. In doing so, we hope that The Village School students will become knowledgeable, ethical and responsible citizens.

Human Geography CP

(1 year/1.0 unit)

Human Geography is concerned with the ways in which patterns on Earth's surface reflect and influence physical and human processes. As such, maps and spatial data are fundamental to the discipline, and learning to use and think about them is critical to geographical literacy. Students will be able to see regions as objects of analysis and move beyond simply locating and describing regions to considering how and why they come into being and what they reveal about the changing character of the world in which we live. At the heart of a geographical perspective is a concern with the ways in which events and processes operating in one place can influence those operating at other places. Thus, students will learn to view places and patterns not in isolation but in terms of their spatial and functional relationship with other places and patterns. Finally, they will be able to achieve awareness that those relationships are constantly changing, and understand how and why change occurs.

Human Geography Honors

(1 year/1.0 unit)

The Honors Human Geography course is built around three enduring ideas to create an engaging and relevant social studies course:

- **History is an interrelated story of human interactions with the world.**

The course explores the invisible structures and forces that shape and reflect the regions, communities, governments, economies, and cultures of humanity. These big ideas help students develop an organized and meaningful understanding of time and space.

- **History and geography are inherently dynamic.**

As historians and geographers uncover new evidence, current assumptions are challenged and previous arguments and narratives gain complexity, nuance, and context. This course teaches students how to examine sources and data, establish inferences, and ultimately build and critique arguments.

- **Historians and geographers are investigators.**

Learning in Human Geography is designed to be a disciplinary apprenticeship in which students participate in the process of discovery. Students will play the role of historian and geographer by practicing the detective skills and using the tools of each craft. Throughout the course, students will work to evaluate evidence through various sources, incorporate evidence into written and oral arguments, and explain historical relationships through causality, correlation, continuity, and change over time.

Prerequisite: departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

History and Social Science, cont'd

AP® Human Geography

(1 year/1.0 unit)

The Advanced Placement Program offers a course and exam in Human Geography to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in human geography. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. The course is divided into seven independent units comprising of Geography: Its Nature and Perspectives, Population, Cultural Patterns and Processes, Political Organization of Space, Agriculture and Rural Land Use, Industrialization and Economic Development, and Cities and Urban Land Use. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. On successful completion of the course, students should have the skills that enable them to:

- *Use and think about maps and spatial data.*
- *Understand and interpret the implications of associations among phenomena in places.*
- *Recognize and interpret at different scales the relationships among patterns and processes.*
- *Define regions and evaluate the regionalization process.*
- *Characterize and analyze changing interconnections among places.*

Prerequisite: Departmental approval (writing sample--freshmen)

World History CP

(1 year/1.0 unit)

World History 2 begins with the Renaissance and ends in the present. Focus is placed upon the changing relationship between Western Europe and Africa, South Asia, and China, as well as the exploration and colonization of the Americas. Major revolutions will be covered, including those in the Americas, France, Russia, and China. Special attention will be paid to the themes of humans interacting with the environment and civilizations interacting with one another. Why, for example, did Western Europeans feel compelled to explore? How can the two World Wars be seen as civil wars? The course will recognize that a study of civilizations includes a study of all of the components that constitute a society: politics, economics, religion, art, literature, etc. Students will work with primary sources, refining their ability to evaluate and summarize material. A study of the world's major civilizations also provides ample opportunity to practice reading, writing, and critical thinking skills.

Prerequisite: Human Geography

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

History and Social Science, cont'd

World History Honors (1 year/1.0 unit)

In addition to World History 2 CP course description, Honors students will be expected to evaluate, summarize, and synthesize primary source material at a higher level than that which is required at the college prep level. Already-strong abilities in reading, writing, and critical thinking will be refined.

Prerequisite: Human Geography

AP® World History (1 year/1.0 unit)

The AP® program enables students to pursue college-level study while still in high school. This course is the second year in a two-year study begun in 9th grade. The expectation is that students take the national exam at the end of this year--the sophomore year--and, based upon their performance on the exam, they may receive credit from the college or university they choose to attend. AP® World spans 1450 until the present. The major civilizations studied in World History will be covered—including Western Europe, the Americas, Russia, and China—but students will be expected to analyze and compare the complexities of those civilizations and the interactions between environment, religious beliefs, and social and political structures. Students will be asked to engage in consistent critical thinking and essay writing. They will work with a large number of primary sources, and will learn to analyze and evaluate like a historian.

Prerequisite: Departmental approval and writing sample

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

History and Social Science, cont'd

US History CP

(1 year/1.0 unit)

This class offers students a historical overview of the history of the United States, while also trying to promote an awareness of the striking diversity of views that both characterize and shape its history. In addition to providing a broad introduction to the modern United States, the course is intended to achieve several more specific goals.

- One of the course objectives is to expose students to what historians do. History is a discipline that entails learning how to review and gather evidence in a manner that offers greater understanding of events, issues, and people based on historical evidence. To that end, students will be required to read and analyze a number of historical documents created by the historical actors we will be studying.
- Whatever career students are considering entering, strong oral and written communication skills are a necessity. As such, this course is designed to help improve students' abilities to articulate their ideas clearly and concisely.
- In pursuing each of these objectives, students will be "doing" history. Many people have the misperception that history is simply remembering facts: names, dates, places, etc. To be sure, *learning history* is one of the things students will be doing, and it does entail knowing facts. But students will be doing much more than just that. They will be *recovering history* by looking at a variety of historical sources. They will be *thinking historically* by learning to understand the past and the people who inhabited it on their own terms while also recognizing how our views of the past are shaped by our own experiences. In the process, students should also *connect to history* by placing their own experiences in the broader context of the world. Throughout this process, I hope students will realize that "doing" history can also be quite fun.

US History Honors

(1 year/1.0 unit)

The purpose of the Honors 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 course serves as a chronological survey of the history of the United States from the colonial period to the present. There is an emphasis that goes beyond the memorization of facts to the interpretation and analysis of historical data and writings. The course integrates civics and citizenship into the thematic learning objectives covered throughout the year to prepare students to act as informed citizens of the country they live in. Throughout the course, students will be "doing" history and not simply "learning" history. Many people have the misperception that history is simply remembering facts: names, dates, places, etc. To be sure, *learning history* is one of the things students will be doing, and it does entail knowing facts. But students will be doing much more than just that. They will be *recovering history* by looking at a variety of historical sources. They will be *thinking historically* by learning to understand the past and the people who inhabited it on their own terms while also recognizing how our views of the past are shaped by our own experiences. In the process, students should also *connect to history* by placing their own experiences in the broader context of the world. Throughout this process, I hope students will realize that "doing" history can also be quite fun.

Prerequisite:

History and Social Science, cont'd

AP® US History (1 year/1.0 unit)

The Advanced Placement 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 intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students are assessed at the end of the year by taking the AP US History exam, a comprehensive multiple choice and essay based exam. Students will 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 the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. By the time of the AP exam, students will be able to draw upon a reservoir of systematic factual knowledge in order to exercise analytic skills intelligently. This course will prepare students to take the AP exam by studying the following themes:

- *American Diversity*- Students will come to understand the diversity of the American people and the relationships between these groups is very important. The roles of race, class, ethnicity, and gender are crucial to understanding key points of US history.
- *American Identity*- Students will become acquainted with individual views of the American character and ideas about American exceptionalism.
- *Culture*- Students will gain an appreciation for individual and collective expression through art, philosophy, music, theater, and film throughout history.
- *Demographic Changes*- Students will learn about changes in birth, marriage, and death rates, and how they affect the population as a whole. They will also come to understand life expectancy, family patterns, population size and density, as well as the political and social effects of immigration internal migration.
- *Economic Transformations*- Students will gain an understanding of how changes in trade, commerce, and technology affect a nation across time. The effects of capitalism, labor disputes, and consumerism will also come into play.
- *Globalizations*- Students will begin to understand the United States' influence around the world, and their effect on ecological, social, and environmental conflicts across the globe.
- *Religion*- Students will learn about a variety of religious beliefs and practices in America from prehistory to the 20th century, and how religions influence politics, economics, and society as a whole.

Prerequisite: Departmental approval

History and Social Science, cont'd

AP® European History

(1 year/1.0 unit)

AP® European History is designed to be the equivalent of a two-semester introductory college or university European history course. In AP® European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing historical evidence; contextualization; comparison; causation; change and continuity over time; and argument development. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity.

Prerequisite: Departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science

The Village School science courses provide a strong background in science for every student. For those who plan careers in science or technology, this program is designed to provide students with opportunities for advanced placement studies and elective courses. All science classes at The Village School stress problem-solving and hands on learning in a laboratory setting.

Required Courses

All students are required to take Biology and Chemistry as a graduation requirement. Additionally, students must complete two additional science credits. Two semesters of Engineering courses may count for one Science credit towards a students' graduation requirements.

Biology CP (1 year/1.0 unit)

This year-long course is designed to provide students with an introduction to the fundamentals of life through a variety of methods including laboratory experiences. Concepts covered in this course include: ecology, the cell, genetics, biological diversity, single celled organisms, plants, invertebrates, vertebrates, and human anatomy and physiology. This course requires students to perform laboratory experiments to analyze data and to draw conclusions based on experimental results. New students matriculating after their freshman year that have not taken Biology are required to take this course during their upper school career.

Biology Honors (1 year/1.0 unit)

This year-long course covers the same concepts as Biology, but with more depth, a greater degree of analysis, and additional laboratory experiences. Students will be required to master topics related to the fundamentals of life. Concepts covered in this course include: ecology, the cell, genetics, biological diversity, single celled organisms, plants, invertebrates, vertebrates, and human anatomy and physiology. This course is designed to challenge the student's critical thinking skills while performing complex scientific experiments. Students will be required to complete formal laboratory reports including technical summaries and data analyses.

Prerequisite: Recommendation from 8th grade Science instructor along with a final grade of A, A-, or B+

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

Chemistry CP (1 year/1.0 unit)

This course emphasizes a conceptual understanding of chemistry rather than a mathematical one. Atomic theory, chemical bonding, acid-base behavior, oxidation, reduction and other types of reactions are studied. Students conduct many laboratory experiments to develop an understanding of chemical principles as related to everyday life.

Prerequisite: Biology or Biology Honors

Chemistry Honors (1 year/1.0 unit)

This course serves as an introduction to modern chemistry. Atomic structure, bonding, phase change, solutions, chemical reactions, thermodynamics, acid-based equilibria, kinetics and aspects of organic and inorganic chemistry are included. Emphasis is placed on developing problem-solving skills. This course incorporates a substantial component of hands-on laboratory work.

Prerequisite: Biology or Biology Honors and departmental approval

Elective Courses

Physics CP (1 year/1.0 unit)

This introductory physics course includes studies in motion, forces, optics, sound, electricity, magnetism, waves and nuclear physics. The emphasis is conceptual rather than mathematical. Lab activities and demonstrations are a major component of the course. Students will use computers for data collection, analysis, and simulation.

Prerequisite: Chemistry or Chemistry Honors

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

Physics Honors (1 year/1.0 unit)

This course provides the tools necessary to make sense of the universe at its most basic level via conceptualization and rigorous problem-solving. Quantitative and qualitative analysis are developed through software analysis of data to construct mathematical models. Scientific literacy is promoted in order to help students make informed and responsible decisions in their lives.

Prerequisite: Chemistry or Chemistry Honors and departmental approval

AP® Physics (1 year/1.0 unit)

AP® Physics is the equivalent of a first-semester college course in algebra-based physics, but it is designed to be taught over a full academic year to enable AP® students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits.

Prerequisite: Physics or Physics Honors and concurrent enrollment in Precalculus Honors or higher level math course and departmental approval.

AP® Biology (1 year/1.0 unit)

This year-long lab course prepares students for the AP® Biology examination as well as the SAT Subject Test™ in biology. Included in this course are biochemistry, cytology and cellular energy transformations, taxonomy, ecology and population dynamics and molecular genetics, heredity and evolution.

Prerequisite: AP® Biology is available to juniors and seniors who satisfy department requirements to take the course (an A- or better in previous science courses and departmental approval).

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

AP® Environmental Science

(1 year/1.0 unit)

AP® Environmental Science is a lab-based elective. The class is interdisciplinary in nature, drawing on students' backgrounds in biology, chemistry and physics. Topics covered include earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution and global change. Students are prepared for the AP® Environmental Science examination.

Prerequisite: AP® Environmental Science is available to juniors or seniors who satisfy department requirements to take the course, earn a B+ in Honors science classes and department approval

AP® Chemistry

(1 year/1.0 unit)

This course is the equivalent of an introductory college general chemistry course. A brief review of some basic topics in chemistry relating to the nature of atoms, molecules, ions, the concept of mole and stoichiometry is presented. This is followed by a more in-depth discussion of the electronic structure of atoms, the nature of chemical bonding and how it relates to states of matter, thermochemistry, chemical kinetics, chemical equilibrium, thermodynamics and electrochemistry, organic and nuclear chemistry. A major objective of this course is to understand basic principles and apply them towards solving comprehensive problems. The course is integrated with a rigorous laboratory program. Students who have completed this course will be prepared to take the AP® Chemistry examination as well as the SAT Subject Test™ in chemistry.

Prerequisite: AP® Chemistry is available to juniors or seniors who satisfy department requirements to take the course, earn an A- or better for the first semester of Chemistry Honors, and obtain department approval.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

Marine Science CP/Honors

(1 year/1.0 unit)

This year-long course explores the major concepts in ecology through an exploration of the Earth's ocean ecosystems. Students explore the unique conditions in the ocean and implications for life living there. They investigate the distribution of the Earth's oceans, the major currents and the control and effect of tides. Students also explore the various components of marine food webs, starting with phytoplankton and working our way up to fish, marine mammals and seabirds. The last part of the course includes a survey of the major ocean ecosystems and their unique features.

Prerequisite: Departmental approval

Human Anatomy and Physiology CP/Honors

(1 year/1.0 unit)

This year-long course is a study of the structure and function of the human body. The course is preparation for advanced biological studies, biomedical nursing, and other science-based careers. Laboratory experiences provide student learning in the following topics: major body systems, how body systems work together to provide homeostasis, body functions in healthy and diseased states, blood typing, muscle action, nerve functioning and bioethics. Dissections of various preserved animals and organs are an integral part of this course.

Prerequisite: A or better in Biology or B or better in Honors or AP Biology and department approval

Scientific Nutrition

(1 semester – Fall/0.5 unit)

This course is a scientific study of the molecular basis for nutrition: which foods are nutritious, which may be toxic, how do the food industry, the government, political ideologies and the diet industry distort information about what is nutritious. We will also examine the evidence that poor nutritional guidelines have led to more disease.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

Engineering: Technical Robotics 1, 2, 3, 4

(1 semester - Fall/0.5 unit)

Students will apply technology skills to solve engineering design problems and create innovative solutions to real world problems. Students will be involved with *FTC – FIRST Tech Challenge* robotics competition and engage teams from other high schools operating robots in a head-to-head challenge. The focus will be on the design, construction and programming of a competition robot, including the opportunity to use CAD software and 3D printers to design and fabricate custom parts for the robot.

Prerequisite: Departmental approval

Engineering: Renewable Energy

(1 semester – Spring/0.5 unit)

The demand for energy is expected to grow 30% by 2040. What role can engineers play in developing renewable energy sources? In this course, students will explore some of the science, math, and technology used to extract energy from renewable resources. Students will:

- Apply engineering concepts and principles to solving renewable energy issues
- Examine how wind energy and solar power systems work
- Learn how to determine the efficiency of an energy system
- Understand the concepts of energy conversion, work, and power.

Teams will design, build and test various renewable energy systems including wind, hydroelectric, and solar applications. Students will have the opportunity to redesign a gasoline-powered go-kart to run on solar energy, including the use of CAD – Computer Aided Design software and 3D printers to design and fabricate custom parts for the go-kart, and compete in the FGCU Solar Go-Kart Competition.

Prerequisite: Departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

Engineering: Aeronautics (1 semester - Fall/0.5 unit)

The fascination of the history and methodology behind flying machines – from Leonardo daVinci’s early conceptual sketches and the Wright brothers’ famous flight of 1903 through to the sophistication and progress of modern jets. This course is an overview and introduction to the fundamentals of aeronautics, using the history of aviation as a storyline. Design, development, and implementation of cockpit systems and multi-function displays; cockpit system requirements and specifications; human-machine interfaces, Flight Management Systems, navigation and guidance systems; 3-D real-time displays of weather, traffic, and terrain; characteristics and missions of air vehicles; project design and cost analysis are many of the topics covered. The use of flight simulators will also be part of this semester course.

Prerequisite: Departmental approval

Engineering: Aeronautical Structure and Design (1 semester - Spring/0.5 unit)

Discover the fascinating world of aviation by investigating aeronautics, aerodynamics and flight mechanics while designing and constructing machines for flight. Standard atmosphere; basic aerodynamic theory, isentropic flow, airfoil and wing descriptions; distributed load systems; static equilibrium; free body diagrams; wing structures; elementary aerospace vehicle performance; aircraft stability and control; experiential introduction to aerospace engineering are topics students will investigate during the semester. Students will design, construct, and test overall structural integrity of complete aerospace systems; structures subjected to critical loads; design considerations in aerospace structures along with aerodynamic design, specification, arrangement, performance analysis, weight and balance, and stability of different machines of flight. Students will have the opportunity to use CAD – Computer Aided Design software and 3D printers to design and fabricate custom parts for the flying machines.

Prerequisite: Departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

Engineering: Principles of Naval Architecture 1 (1 semester – Fall/0.5 unit)

Students in this course will learn principles of ship geometry, load lines, classification regulations, hydrostatics and marine vessel stability. Propulsion systems of marine vehicles and submersible design are also examined. Students study movement variables in relation to ships and waves and also learn navigation skills and gain an understanding of technical information sources, such as sonar and Doppler navigation. In addition, classes cover ocean and coastal structures, current underwater systems and the fundamentals of naval architecture. Students will have the opportunity to use CAD – Computer Aided Design software and 3D printers to design and fabricate custom parts for the submersible ROV – Remotely Operated Vehicle.

Prerequisite: Departmental approval

Engineering: Principles of Naval Architecture 2 (1 semester – Spring/0.5 unit)

This course will build on the challenges of Principles of Naval Architecture 1. Students will design, build and program a more sophisticated ROV using the latest technology. The ROV will incorporate the Arduino programming platform which will enable autonomous capabilities. The goal will be to enter the ROV in the Mate (www.marinetech.org) international competition. The regional tournament is held in St. Petersburg in May. Teams from all over the southeast United States will come together and compete in an underwater course. The challenge is different every year, much like the F.I.R.S.T. robotics competitions.

Prerequisite: Principles of Naval Architecture 1

Engineering: Agricultural Engineering (1 semester – Fall/0.5 unit)

Meeting the food needs of Africa's growing population over the next half-century will require technologies that significantly improve rural livelihoods at minimal environmental cost. Many of these people still carry water in buckets and are located away from the power grid. Agricultural Engineering will offer students a way to study and develop more efficient alternatives. Water will be delivered from the source to a storage facility using a solar powered pump. The irrigation will then be supplied using a pump powered by wind turbines. Using renewable energy sources and drip irrigation, the class will design and build a working farm. This will include construction of garden boxes, wind turbine towers, the water storage facility, a solar collection farm and the parking/charging facility for an electric utility vehicle.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Science, cont.

Engineering: Beyond Technology

(1 semester – Spring/0.5 unit)

The smartphone, in many ways, is the example of human technological progress. We will learn how the various hardware technologies work. We will also explore how competing corporations cooperate to provide a positive experience to their customers.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

World Languages

Courses in the world languages develop all the basic skills – listening, speaking, reading, writing and punctuation. They provide students with an understanding and appreciation of a culture other than their own. The language being studied is used in the classroom from the onset. Students acquire a working knowledge of essential grammatical structures and learn to speak and understand the language. Accurate and effective writing is a major goal, and serious full-length works are read beginning in the third year. Entering students may wish to continue studying a language begun at their previous schools. Placement test scores will help determine the appropriate language level. Other students may begin a new language at this point in their education. To meet graduation requirements, students must complete the sequential study of one language with a minimum of two years.

Course Descriptions - Spanish

Spanish 1 CP (1 year/1.0 unit)

Students with little or no previous exposure to Spanish are introduced to the basic elements of the language and to the cultures of the Spanish-speaking world. Emphasis is on basic language skills: listening, speaking, reading and writing. The ability to communicate in the present tense through simple written and spoken Spanish is promoted through a variety of materials and activities.

Prerequisite: None

Spanish 2 CP (1 year/1.0 unit)

Students continue to study grammar and vocabulary, and emphasis is placed on written and oral expression in the past tense using correct sentence structure. A study of the culture continues while students build the four language skills: listening, speaking, reading and writing.

Prerequisite: Spanish 1

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

World Languages, cont.

Spanish 3 CP/Honors

(1 year/1.0 unit)

This course is an intermediate-level Spanish course designed to review grammar at a quick pace with an emphasis on the more complex grammatical structures. It assumes that the student has already undergone a thorough study of certain basic grammar and vocabulary, and has demonstrated a natural ability for the language. Students must know, for example, the forms and uses of the present and past tenses. The objective of the course is not only to review and build upon grammar and vocabulary, but also to guide students in incorporating more idiomatic structures of the language into their speech and writing and to delve deeper into current issues facing several Latin American countries. They will also continue to cultivate the ability to understand the target language at a normal pace and to read effectively examples of literary and cultural texts: newspapers, short stories, and realistic fiction.

Prerequisite: Spanish 2 and departmental approval

Spanish 4 Honors

(1 year/1.0 unit)

This is an accelerated Spanish course designed to strengthen further the language skills acquired through the intermediate levels of Spanish. All four language skills (speaking, writing, reading and listening) are rigorously trained through a full range of engaging and interactive activities. Basic grammar is reviewed to a degree, but there is a special emphasis on the more complex structures of the language. The development of topic vocabulary continues, but the course also ushers students into a more expansive acquisition of idiomatic expressions. Moreover, the course has a clearly defined cultural component, with an eye toward the AP Spanish Language and Culture course. Students study a good selection of cultural readings and do written and oral cultural comparisons in which they juxtapose particular cultural products, perspectives and practices of the Spanish-speaking world with those of the U.S. The course is conducted entirely in Spanish, and students are required to communicate in the target language exclusively. Spanish 4 Honors serves as a pre-AP course for qualified students from the Spanish 3 regular course or any Spanish 3 honors students needing an additional year of linguistic fortification.

Prerequisite: Spanish 3 Honors or Spanish 3 with departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

World Languages, cont.

AP® Spanish Language and Culture (1 year/1.0 unit)

This intensive course is designed to prepare students for the AP® Spanish Language examination. It focuses on strengthening all four language skills, according to the AP® guidelines. Supplemental reading, writing and speaking activities will also be included. All students are expected to take the AP® Spanish Language examination in the spring.

Prerequisite: Spanish 3 Honors or Spanish 4: Advanced Conversation and Composition, and departmental approval

Course Descriptions - French

French 1 CP (1 year/1.0 unit)

Students with little or no previous exposure to French are introduced to the basic elements of the language and to the culture of the French-speaking world. Emphasis is on basic language skills: listening, speaking, reading and writing. The ability to communicate in simple written and spoken French is promoted through a variety of materials and activities.

Prerequisite: None

French 2 CP (1 year/1.0 unit)

Students continue to study grammar and vocabulary, and emphasis is placed on written and oral expression, using correct sentence structure. A study of the culture continues while students build the four language skills: listening, speaking, reading and writing.

Prerequisite: French 1

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

World Languages, cont.

French 3 CP/ Honors (1 year/1.0 unit)

This course completes a review of the more complex aspects of French grammar. Active vocabulary and proficiency in listening, speaking and writing are developed through discussion, written exercises, compositions, and the reading of plays and short stories.

Prerequisite: French 2 and departmental approval

AP® French Language and Culture (1 year/1.0 unit)

This intensive course is designed to prepare students for the Advanced Placement French Language examination. It focuses on strengthening all four language skills, according to the AP® guidelines. Readings and conversations on topics of current interest are used to advance the acquisition of vocabulary. The class is expected to take the AP® French Language examination in the spring.

Prerequisite: Juniors or seniors must have completed French 3 Honors and have departmental approval

Course Descriptions - Latin

Latin 1 CP (1 year/1.0 unit)

The major objective of the course is to develop the ability to read and comprehend continuous Latin. In order to do that, students will need to know and understand the vocabulary, forms, functions and syntax of the language. Another objective is to know the words in Latin from which English, Spanish, French and Italian words are derived and how their spellings and meanings evolved. In addition, students will learn about Roman and Greek history and mythology and gain command of Latin expressions and mottoes that are current in modern English.

Prerequisite: None

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

World Languages, cont.

Latin 2 CP (1 year/1.0 unit)

After a thorough review of first-year material, students will continue the study of more advanced grammar and syntax of Latin. Study of derivatives, mottoes and expressions, history, culture and art continues, but with an emphasis on items pertinent to the readings. Students will continue to develop their ability to read and understand the Latin language.

Prerequisite: Latin 1

Latin 3 CP/Honors (1 year/1.0 unit)

Students will continue working with previously learned grammar and syntax and are introduced to advanced language skills appropriate to course readings. This section of the course leads students from adapted texts to unadapted texts. The major concepts introduced and consolidated include recognizing how to deal with indirect discourse, including active and passive perfect infinitives, future infinitives, the use of the supine, a review of verbs in the subjunctive mood, gerunds and gerundives. Original unadapted Latin text is gradually included with the adapted, including epigrams of Martial, selections from Ovid, letters of Trajan and Pliny, fables of Phaedrus, and poems of Catullus and Horace.

Prerequisite: Latin 2

Latin 4 Honors (1 year/1.0 unit)

The review of grammar, forms and conditional sentences and further work in indirect speech will accompany readings in such authors as Ovid, Vergil, Phaedrus, Catullus, Cicero, and Livy. After the completion of the Cambridge material, students will read further in *Eutropius* and *Nepos* and, depending on interest, students will begin reading either Caesar's *De Bello Gallico*, or Vergil's *Aeneid*.

Prerequisite: Latin 3 CP or Honors

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

World Languages, cont.

AP® Latin (1 year/1.0 unit)

This course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallic War*. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context.

Prerequisite: Latin 3 Honors with departmental approval or Latin 4 Honors

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Visual, Culinary and Performing Arts

The visual, culinary and performing arts department provides students with an understanding of the value of arts in culture by giving them a balanced exposure to and appreciation of the arts. Culinary, theater arts, music and visual arts are offered in an environment where students can discover and nurture their artistic affinities and creative potential. Students are provided a forum in which to demonstrate their ability via performances, recitals, productions and art displays, thus enriching both The Village School and the community. Costume and/or material fees may apply for some performing arts classes.

Required Classes

All students must complete two years (four semesters) of an artistic class. Courses which satisfy this requirement are Theater Arts, Music, Visual Arts, Culinary Arts and AP[®] Art History. AP[®] Art History is open to sophomores, juniors and seniors. Students who plan to take AP[®] Art History to satisfy the requirement should choose other electives in the freshman year.

Foundations of Art (1 year/1.0 unit)

Students will study and apply the elements of art and the principles of design by creating two- and three-dimensional projects. Students will explore a variety of art materials and techniques used in professional art and will be required to create and respond to works of art that express concepts, ideas and feelings.

Prerequisite: Departmental approval

Visual Arts Studio 1, 2, 3, 4 (1 year/1.0 unit)

An advanced course that entails an in depth study of art techniques and media. In addition, drawing, painting, mixed media, and three-dimensional media will be studied.

Furthermore, students will link art history to their portfolios. This course will involve diverse artistic processes in both individual and group settings. Lastly, students will work closely with faculty to develop an ongoing or culminating area of concentration based on material preferences.

Prerequisite: Departmental Approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Visual, Culinary and Performing Arts, cont.

Digital Photography 1 & 2 (1 year/1.0 unit)

This is a beginner's course designed to introduce digital imagery and computer technology as a medium for artistic expression. Fundamental concepts to be surveyed include the study of light, time, composition, and subject. Students will develop a strong sense of visual, critical thinking skills while studying the elements of art and principles of design. In addition to acquiring basic photographic skills, students will apply their artistic knowledge to design a school year book.

Prerequisite: Departmental approval

Digital Photography 3 & 4 Portfolio (1 year/1.0 unit)

This course is designed for students who have in depth knowledge in photography and aspire to pursue portfolio development. Students may choose to explore specific technical applications in such as camera settings and or editing software. Other topics include macro photography, time-lapse, action photography, black and white, color, landscapes, light painting, portraiture, elements of art and principles of design, photojournalism, commercial photography, and techniques common to the history of photography.

Prerequisite: Digital Photography 2 or Departmental approval

Fashion Forecasting & Design (1 year/1.0 unit)

This course is for the student that loves style, dreams of designing their own label and/or want to know more about the fashion design business. Students will learn the principles of design, how to analyze, identify, and track fashion trends. They will explore the effect fashion has on the economy and identify their own style. Students will also learn how to draw, render, and illustrate fashion designs.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Visual, Culinary and Performing Arts, cont.

AP® Art 2D

(1 year/1.0 unit)

Students will demonstrate mastery through any two-dimensional medium or process, such as graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. Students will develop technical skills and become familiar with the functions of visual elements as they create an individual portfolio of work for evaluation at the end of the course.

Prerequisite: Foundations of Art, Visual Studio 1 and departmental approval.

AP® Art History

(1 year/1.0 unit)

Intended to prepare students for the AP® examination in art history, the course is a survey of world art from prehistory to the present with a strong emphasis on Western art. Students will develop a vocabulary while studying all major forms of artistic expression including painting, sculpture and architecture within diverse historical and cultural contexts. Image identification, critical analysis and evaluation of both context and aesthetics are emphasized.

Prerequisite: World History CP or Honors and departmental approval.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Visual, Culinary and Performing Arts, cont.

Culinary Arts Certificate Program

Students especially interested in the culinary arts may apply for participation in The Village School Culinary Arts Certificate program. To receive the certificate, students engage in a four-year program with emphasis in culinary. The program culminates in the senior year with a final presentation accompanied by the awarding of the certificate. Transcripts will reflect the attainment of the Culinary Arts Certificate. Students striving for national recognition or scholarships can research opportunities using the following link:

<https://www.chooserestaurants.org/Programs-and-Scholarships>

Requirements:

- Culinary classes for 8 semesters in Upper School
- Involvement in preparation for special TVS events
- 80 volunteer hours focused in the food industry
- Maintain an A average in all culinary classes
- Senior year presentation before a panel of culinary advisors
- Cumulative exam of culinary application with an 80% or higher

Culinary Arts: Kitchen Basics (1 semester-Fall/0.5 unit)

This course provides classroom and laboratory experience to introduce the fundamental concepts, skills and techniques in basic cookery, and moist, dry and combination heat. Emphasis is placed on practical experiences including recipe conversion, measurements, terminology, classical knife cuts, safe food/equipment handling and related topics. Upon completion, students should be able to demonstrate competency in the basic cooking skills used in the foodservice industry.

Prerequisite: None

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Visual, Culinary and Performing Arts, cont.

Culinary Arts: The Art of Baking (1 semester-Fall/0.5 unit)

Cakes, cookies, icing, frosting, piping and sampling...this course covers the “science” behind baking through the study of basic ingredients, techniques, weights and measures, baking terminology and formula calculations. Topics and laboratory experience include yeast/chemically leavened products, laminated/pastry dough, batter, pies/tarts, meringue, custard, cakes and cookies, icings, glazes and basic sauces. Upon completion, students should be able to demonstrate a basic proficiency in bakeshop applications, and prepare and evaluate a variety of bakery products.

Prerequisite: Kitchen Basics

Culinary Arts: Notable Chefs – Escoffier to Bobby Flay (1 semester-Fall/0.5 unit)

Who was the first notable chef? What chef is credited with the most influence over the culinary world thus far? How can chefs influence culture? This course will take young chefs through the history and influence of several of the world’s most renowned chefs of our time. Students will experience making some of their recipes and tasting the food culture of that time.

Prerequisite: Kitchen Basics

Culinary Arts: Sauces and Stocks – Foundations for Great Cooking (1 semester-Spring/0.5 unit)

Every chef takes great pride in the sauces that transform a good meal into a great dining experience. In this course students are introduced to the use and production of stocks and sauces. From the classic sauces of France to modern salsas, relishes, infused oils, coulis and chutneys students will explore all the diverse expressions of the saucer’s art. Students will produce the five “Mother sauces” using the stocks produced as well as the fundamentals of making clear, thick and nutritional soups. Reductions, finishing methods, pairings and plating techniques will be taught and practiced.

Prerequisite: Kitchen Basics

Visual, Culinary and Performing Arts, cont.

Culinary Arts: Chocolate Craze (1 semester-Spring/0.5 unit)

Comprehensive hands-on chocolate course emphasizing the techniques necessary to make unique molded chocolate pieces and gourmet chocolate confections. Students experience an introduction to chocolate decorating techniques including tempering, coloring, cutting and using transfer sheets, and working with modeling chocolate. Students will prepare products using different types of chocolate and sample the final products.

Prerequisite: Kitchen Basics

Culinary Arts: Test Kitchen – Baking Edition (1 semester-Spring/0.5 unit)

Testing recipes is a science! In this course students practice taking risks and making mistakes — that's how innovation happens in a test kitchen. The goal of this test kitchen is to rewrite a baking recipe that can easily be replicated at home. Be ready to weigh, measure, and exchange ingredients to transform a tried-and-true recipe into your very own culinary creation for everyone to enjoy.

Prerequisite: Kitchen Basics

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Visual, Culinary and Performing Arts, cont.

Performing Arts

Music Studio 1, 2, 3, 4 (1 year/1.0 unit)

This class is for instrumentalists and vocalists. In the first semester, the language of music is examined, including musical symbols and notation, the tonalities of different musical instruments, harmonization, arrangement and composition. The history of music is explored through listening, reading assignments, class discussion and written work. Class will break out two days per week to work on individual instruments, accompanying and ensembles preparing for performances throughout the year.

Acting Techniques (1 year/1.0 unit)

Performance based class. Students will improve connections to scene partners and material through improv, small scenes, songs and monologues. Musical theater students will explore technique developed by Paul Harvard, acting through song. We will explore the Alexander Technique to soften fear reflexes and improve overall quality of movement. Opportunities for performance throughout the year include entrance into the District 6 Thespian Festival Competition (musical and dramatic) and showcase nights.

Advanced Solo (1 year/1.0 unit)

For the serious musician who wants to perform as a soloist, in ensembles, or accompanying. There will be tutoring in performance practice and understanding the music with proper theoretical analysis.

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Visual, Culinary and Performing Arts, cont.

Steel Drums 1, 2, 3, 4 (1 year/1.0 unit)

This steel drum group rehearses compositions expressively for Caribbean ensembles. The musical styles each student will encounter are: calypso, Cuban, Brazilian, classical, pop and jazz.

AP® Music Theory (1 year/1.0 unit)

This intensive year long course is designed to prepare students for the AP® Music theory exam in May. This course reflects a range of skills typically developed during a freshman theory college course. Significant critical, analytical and creative thinking skills will be emphasized in theory and composition, ear training, sight-singing, analysis and keyboard skills, harmonic progressions, formal structuring and style, and dictation.

Prerequisite: Completion of Music Studio and departmental approval

THE VILLAGE SCHOOL – UPPER SCHOOL COURSE OF STUDY

Physical Education

Physical Education is an important aspect of a total education. A healthy human being should develop mind, body, and spirit. Some form of daily physical activity should become part of each person's life in order to promote health and develop fitness. We offer opportunities for decision-making and confidence-building while learning fair play and teamwork. Students may fulfill the Physical Education requirement through successful completion of two seasons on a TVS athletic team at the varsity level or through traditional Physical Education courses. Students may also choose to elect a combination of programs. Physical Education classes are on a pass/fail grading systems and are, therefore, not included in the G.P.A. calculation.

Physical Education

(1 semester/0.5 unit)

The Village School Physical Education program is based upon the acquisition of knowledge and skills that are the foundation for engaging in physical activity. Our mission is to empower all students to sustain regular, lifelong physical activity as a foundation for a healthy, productive and fulfilling life.

Team Sports

(1 semester/0.5 unit)

This course is designed for student interested in learning in in the skills of team sports. Students will develop skills, strategies and participate in various team sports such as basketball, soccer, pickleball, volleyball and flag football.

Strength & Conditioning

(1 semester/0.5 unit)

This course will provide an opportunity for development of strength and conditioning for various sports and fitness related activities. Free weights, cardio machines and conditioning activities will be incorporated to promote improvement in strength, endurance, balance, agility and speed. Students do not need to have experience on sports teams to enroll in this course.

Village School Athletic Team Participation

(1 season/0.5 unit)