

2018-2019
Upper School
**Course
Descriptions**



STUART
COUNTRY DAY SCHOOL OF THE SACRED HEART

2018-2019

UPPER SCHOOL COURSE DESCRIPTIONS

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GUIDELINES FOR COURSE SELECTION

1. The scheduling of classes is determined by your course selections, which means you need to give serious thought to your choices. With the exception of course conflicts or courses cancelled due to insufficient enrollment, your course selections should not change. Planning and staffing are dependent upon the results of the registration. **Because of this, students will only be permitted to change their course selections under extraordinary circumstances.**
2. You should familiarize yourself with this 2018-2019 Course Description Book and note carefully the graduation requirements for Stuart. These are described on page 4 of this Course Description Book.
3. Add variety and balance to your course load. Students are encouraged to take a full course load including five full-year courses, trimester requirements, trimester electives, and physical education credit. Community service and extracurricular plans should be considered in order to have a complete view of your program and time commitment. (College guidance, study skills, and ninth-grade peer group are non-credit courses.) The recommended number of credits per trimester is eight.
4. If you intend to be in Tartantones, Instrumental, or fall or winter dramatic productions, sign up for them as for any other course. They do not count in the 8-credit recommendation. Jazz dance in the musical earns a physical education credit and is included in the 8-course recommendation.
5. Any exception to a graduation requirement or any other course requirements must be approved by the head of Upper School, the department chair of the appropriate academic department, and the assistant head of Upper School.
6. Finally, have you obtained all the necessary signatures? Have you checked your registration carefully to make sure it is accurate? Is your schedule balanced by trimester? Only courses with sufficient enrollment will be offered. Exceptions to this policy will be made by the school administration. Please keep in mind that if you register for a course, you are making a commitment to take that class. You may need to re-register if a course is cancelled due to under-enrollment. Please list alternatives for all elective courses.

Stuart offers honors and AP courses to qualified students. See specific course descriptions for details. In general, honors courses are designed for the student who has the desire and the ability to pursue a subject in more detail and greater depth. AP courses are college-level courses taken at the high school or online during the high school years. AP courses presuppose the willingness and ability to perform at a significantly accelerated level. All students in AP courses are required to take the AP exam given in May. The AP exam score itself has no bearing on the student's grade in the course; in fact, results are typically not available until July. A satisfactory level of achievement on the examination may result in college credit; however, each college has its own policies regarding the granting of college credit for AP courses. Stuart strongly recommends that you take no more than three AP courses per year. If you are requesting to take more than three AP courses, you will need approval from the Head of Upper School. **AP EXAM POLICY: All students who enroll in and complete an AP course at Stuart are required to take the respective exam in May.**

In order to take the AP exam for a particular course, students must be enrolled in the corresponding class at Stuart at the time of the exam. Any student who chooses not to enroll in an available AP class is not eligible to take the AP exam at Stuart as the student will not be suitably prepared for the exam and has not completed a College Board approved course of study.

There are two exceptions:

1. Students may take an AP exam at Stuart in a subject that is currently offered at Stuart, but the student is taking the AP course online due to a variety of reasons (such as scheduling issues). Students must show evidence of their online enrollment in the AP course in order to take their AP exam at Stuart in May.
2. Students may take an AP exam at Stuart in a subject if it is currently not offered at Stuart, but offered in subsequent years, and if the student has completed an equivalent College Board approved course of study in preparation for that exam. An example of this is AP Computer Science or AP Music Theory. Final decisions concerning appropriate course level are determined by the individual department in consultation with the head of Upper School.

REQUIREMENTS FOR GRADUATION

70 Credits to Include:

- 4 years of English
- 3 years of the same World Language taken in the Upper School
- 2 years of History
- 3 years of Mathematics
- 3 years of Laboratory Science
- 1 year or the equivalent of Fine Arts (Art, Music, Drama)
- 8 trimesters of Theology
- 9 trimesters of Physical Education, which include 2 trimesters of Health
- 1 trimester of Computer Science
- 4 years of Community Service, minimum 50 hours/year

A trimester course in any department counts as one credit; a full-year course counts for three credits.

Grading

Letter grades are given on report cards, which are available electronically at the end of each trimester. Numerical equivalents of grades are as follows:

A+ 97-100	C+ 77-79
A 93-96	C 73-76
A- 90-92	C- 70-72*
B+ 87-89	D 60-69
B 83-86	F 59 or below
B- 80-82	

D is considered a passing grade, but it is not a college-recommending grade.

*Remedial work is required before the student may progress to the next level of a subject.

Protocol for Course Level Acceleration

Occasionally a student who has shown exceptional performance may wish to move to an honors level or, in some cases, skip a course level and accelerate to the next level in a course sequence. The student and her parent should discuss the reasons for the request with the student's advisor and assistant head of Upper School, as well as the college ramifications with the director of college counseling. In all cases the academic department will make a recommendation to the Head of Upper School, who may authorize the course selection. Each department sets its own guidelines for placement in honors courses or skipping a course in order to accelerate, in consultation with the administration. In our professional experience, students who meet these requirements are most likely to be successful at the next level.

Course credit is not given for courses skipped or taken in summer school, unless a student is repeating a course she failed during the year. The only summer courses that appear on a Stuart transcript are those taken to make up a failing grade. In that case, her summer school grade is recorded as a Pass, and she is given credit for the course, but her GPA remains unchanged.

To accelerate and skip a level in a course, a student will need to do extra work to cover the curriculum in that course as offered at Stuart, and in order to accelerate, must earn a grade of B+ on an exam for the course she hopes to skip. (The exam, which must be taken before Labor Day, will cover the content of the course missed, not the course she may have taken over the summer.) A suggested timeline will be set out for the student and her family to aid her in this endeavor. A student should seriously consider beginning the necessary work before the end of the current school year, as she is required to cover all of the curricular material of the course missed. If a student does not earn a B+, she is expected to follow the regular sequence of courses.

If a student and her parents insist on moving up to an honors level or AP level course against the department's recommendation, the student and her family are fully apprised of the possible consequences, and Stuart is not obligated to fill in any gaps in knowledge or skills created by the change.

Process for Accelerating and Skipping a Course Level

If a student wishes to skip a course level, she must submit a request in writing to her current teacher by February 1. A student must be earning an A- or better in her current course to request acceleration. The teacher will bring this request to the department involved. The department will consider all requests and will make a written recommendation to the head of Upper School. This recommendation is contingent upon the student earning a final course grade of A- or better.

The parents, student, department chair, and head of Upper School will meet in February to convey the decision. If the decision is to allow the student to attempt the acceleration, the department chair and head of Upper School will lay out the specific criteria and timeline for this to occur.

Please note that late requests for acceleration may be impossible to accommodate.

LEADERSHIP ENDORSEMENT

It has been said that some people are born leaders. We believe that leadership can be cultivated and developed through an exploration of leadership theory, the development of leadership skills and qualities, and the application of this knowledge. The National Center for Girls' Leadership at Stuart (NCGLS), works to support and empower the next generation of female leaders. Through research, professional programming, and development of innovative curriculum, Stuart serves as a resource to parents, students and educators throughout the world.

The Leadership Endorsement Program falls under the auspices of NCGLS. In addition to earning a diploma from Stuart Country Day School of the Sacred Heart, a student may elect to pursue a Leadership Endorsement, which will be noted on her high school transcript.

To earn the endorsement the following requirements must be met:

- Application reviewed and accepted by the Leadership Endorsement Chair and Head of Upper School (students must apply by the spring of eighth grade, or by the winter of freshman year).
- Candidates must attend a minimum of three conferences that pertain to leadership or leadership development. While a variety of conferences may be suitable to fulfill this requirement, below is a list of possible conferences for students to attend:
 - New Jersey Conference for Women
 - Pennsylvania Conference for Women
 - National Coalition of Girls Schools
 - Sacred Heart Network Conferences
 - World Leadership School Conference
 - #LeadLikeAGirl Conference (**required**)
 - NAIS Student Diversity Leadership Conference
- A minimum of two out of three *Harris B. Siegel* Leadership courses must be completed:
 - *Leadership & Personal Development*
 - *Leadership Theory and Ethics*
 - *Applied Leadership*
- A trimester course in *Public Speaking* must be completed
- A minimum of one additional approved leadership course must be completed:
 - *Trimester Courses:*
 - *Art of the Essay*
 - *Stagecraft and Design*
 - *Cinematography*
 - *Leadership Through the Lens*
 - *Personal Finance & Literacy*
 - *An additional Harris B. Siegel Leadership course*
 - *Writing Center tutor for one school year (by application and acceptance only; candidates must tutor a minimum of 12 hours)*

- *Full-year Courses:*
 - *Multicultural America*
 - *Advanced Placement Psychology*
 - *Peer Leadership (by application and acceptance only)*
 - *Admissions Ambassador Program (by application and acceptance only, and a minimum of two years in the Admissions Ambassador program)*
- Students must participate in a summer experience between freshman and junior year for a minimum of two-weeks in one of the following categories:
 - Internship
 - Summer job
 - Community Service (apart from and in addition to the required service hours)
 - Leadership Program

In addition, students must write a 500-word reflection on the experience.

- Throughout both freshman and sophomore years, candidates are required to participate in the creation and facilitation of activity centers in the Lower School's *Women We Admire Day*
- Junior year, students must fulfill the *Junior Venture* requirement. As requirements may differ from year to year, information about the thesis will be reviewed with students at the start of their junior year.
- Senior year, students will participate in the *Senior Mentor* requirement. Senior mentors will advise Leadership Endorsement candidates from grades 9-11.

Ideally, candidates will receive their Leadership Endorsements by the end of junior year and will serve as mentors during their senior year. However, there are circumstances in which a student will receive the endorsement at the completion of senior year. Should a student decide to withdraw from the Leadership Endorsement Program at any time, she is required to submit an "Add/Drop Form" to the assistant head of the Upper School.

Expansion of the leadership programs at Stuart Country Day School of the Sacred Heart has been made possible by the Harris B. Siegel Fund for Student Leadership, established by Patricia Costante and Stephanie Champi '12. Their generous gift was given to Stuart in gratitude for Mr. Siegel, a long-time director of college counseling.

STEM ENDORSEMENT

(Science, Technology, Engineering and Math)

With Stuart's commitment to preparing young women for lives of leadership and service for the 21st century, full-year and trimester STEM courses are readily available to our students. These courses are designed to integrate the fundamental components of STEM and will inspire innovation and creativity. STEM coursework will focus on student collaboration, problem solving, effective communication, and critical thinking skills. These courses can be found under science, mathematics, and computer science offerings.

In addition to earning a diploma from Stuart Country Day School of the Sacred Heart, students may elect to pursue an endorsement in STEM to be noted on their transcript.

To earn a STEM Endorsement, the student must fulfill the following requirements:

- Apply to be accepted into this program, preferably as a freshman.
- Participate in a STEM discussion group as a freshman. Participation in subsequent years is optional, but encouraged.
- Successfully complete 4 full-years of laboratory science and mathematics courses
- Successfully complete 3 trimester STEM-designated courses noted in course description as ***STEM** or a fifth full-year STEM course at an AP Level including AP Computer Science, AP Computer Science Principles, AP Biology, AP Chemistry, AP Physics, AP Environmental Science, AP Statistics.
- Successfully complete two trimesters of computer science
- Complete a portfolio of her STEM experience by the end of senior year. The portfolio includes a record of each student's STEM work in the Upper School, but also serves as a resource for reflect
- Complete an independent research project junior year (will earn 1 trimester credit of independent research in a particular STEM field of study; format to be determined)
- Attend three approved STEM-related conferences/workshops by the end of senior year. These could include off-site workshops. Teaching at one of Stuart's popular Young Women in STEM summer or after-school workshops fulfills one workshop, as does a day's visit to the annual Maker Faire at the New York Hall of Science or attending/presenting at the #LEADLIKEAGIRL Conference.
- Lead the freshman STEM discussion group as a senior. Discussions serve as mentoring opportunities for seniors and help all students to diversify their thinking by focusing on real-world current events and advances in the STEM fields. Some discussions may take place using an online format.

ENGLISH

Four years of English are required for graduation.

The mission of the English Department at Stuart Country Day School of the Sacred Heart is to empower students to read, write, and think critically. As teachers at Stuart, we are committed to educating the whole child, to being mindful of all that we ask our students to do, and to upholding the Goals and Criteria of the Sacred Heart to the best of our ability. We encourage the creative use of the imagination and look to instill a lifelong love of learning in each student. We strive to educate students to grow as eloquent speakers and respectful listeners, to be experiential learners, and to come to a deeper understanding of themselves as readers and writers.

ENGLISH 9 Introduction to Literary Genres Full-year course

Required for students in grade 9. No prerequisite.

How does form influence content? How does content influence form? How do the two interact to produce unique works of literature? This course addresses these questions by introducing students to texts representing a variety of literary genres including poetry, the short story, the essay, the novel, and drama. Students in ninth grade English will develop the skills needed to read closely, think critically, discuss articulately, and write analytically. A primary aim of this course is to teach students how to write the academic essays that will be expected of them as Upper School students. To that end, the course will present many opportunities for in-class writing, essay workshops, peer review, and revision. To further bolster students' writing skills, ninth grade English provides a solid foundation in grammar and vocabulary, drawing from the readings and from the study of Latin and Greek roots. Finally, students will have the opportunity to nurture their creative talents through projects in several genres.

ENGLISH 10 "Heroes and Villains" World Literature Full-year course

Required for students in grade 10. Prerequisite: English 9

What defines a hero? What defines a villain? Can a hero be evil? Can a villain be good? Tenth graders will address these questions as they journey through texts that define the classic archetypal hero, such as *The Odyssey*, as well as texts that feature a modern hero in which both good and evil reside, such as *A Doll's House* and *The Stranger*. Writing is a major component of the course, with emphasis placed on close reading and critical analysis. Revision and editing skills are also practiced and developed. Grammar and usage issues will be explored in daily classes as well as within the context of each student's writing. Additionally, vocabulary drawn from the readings will help students prepare for the PSAT, SAT, and ACT. The syllabus may include works by Homer, Ibsen, Nye, Rhys, Moliere, and Camus.

HONORS AMERICAN LITERATURE "Life, Liberty, and the Pursuit of Happiness" Full-year course.

Open to grades 11-12. Prerequisite: English 10.

What makes literature "American?" What is the American dream and how does it drive us? Who is the American woman? As students address these central questions and themes, they will deepen their understanding of various genres of American literature. We will engage in a variety of American literary genres such as poetry, short stories, novels, drama, and essays. The syllabus will include works by

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Bradstreet, Emerson, Thoreau, Alcott, Fitzgerald, Hurston, and Wasserstein, among others. Through analytical and creative writing assignments, students continue to develop their critical reading and thinking abilities, as well as their working knowledge of literary terms, grammar, and vocabulary.

AP ENGLISH LITERATURE AND COMPOSITION “Ghosts” Full-year course

Open to grades 11-12. Prerequisites: Grade of A- or higher in previous year’s English class and signature of English Department chair.

“What haunts us as individuals?” “How does our past shape our present and future?” “Why does a writer create a ghost?” In AP English literature and composition, students will hunt for ghosts, both literally and figuratively, and decide why their presence plays such an essential role in some of our most beloved classic and contemporary texts. This course will follow the curricular requirements outlined by the College Board in the AP English Literature and Composition Course Description, which focuses on building skills necessary for college-level reading and writing. Students will engage with texts from a variety of time periods and genres and explore strategies to help them navigate through and closely read them. We will build a vocabulary of rhetorical techniques, as well as introduce terms of literary analysis for poetry and fiction. In response to these texts, students will write a variety of critical essays, both in class and over an extended period of time. Because this is considered a college-level course, students will be asked to read and analyze challenging, provocative, dense, and sometimes controversial material. The syllabus will include works by Morrison, James, Shakespeare, Hawthorne, Atwood, Hosseini, Salinger, and Williams, among others.

HONORS BRITISH LITERATURE “A Case of Identity” Full-year course

Open to grades 11- 12. Prerequisite: English 10.

“A man to be greatly good must imagine intensely and comprehensively; he must put himself in the place of another and of many others; the pains and pleasures of his species must become his own.”—Percy Bysshe Shelley. In this course, we will trace the evolution of British Literature from early works, such as *Beowulf*, to contemporary fiction, such as Haddon’s *The Curious Incident of the Dog in the Night-Time*. We will also discuss the impact of each work on ourselves and on society and examine other works of fiction, nonfiction, and poetry from the perspective of both the writer and the reader. Through the close reading and critical analysis of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work’s context, structure, style, and themes, as well as other, smaller-scale elements, for as Sherlock Holmes states, “It has long been an axiom of mine that the little things are infinitely the most important.” This honors-level course continues the development of critical thinking, reading, and writing skills in addition to placing an ongoing emphasis on vocabulary acquisition. The syllabus will include Chaucer, Shakespeare, Charles Dickens, Emily Bronte, Mary Shelley, and Arthur Conan Doyle, among others.

ENGLISH ELECTIVES

MODERN AFRICAN AMERICAN LITERATURE Trimester course

Open to grades 10-12.

Spanning a period of time from the early 20th-century to present day, this course will explore the African American experience through a variety of literary genres. Beginning with the Harlem Renaissance and ending with a survey of contemporary works, students will read a wide variety of novels, short stories, essays, and poems. Throughout the course, students will focus on the overarching theme of the longing for personal freedom; however, they will also gain a deeper understanding of the universal struggle to remove barriers associated with gender, race, class, and cultural differences. Selected authors may include Angelou, Hughes, Baldwin, Wright, Cullen, Ellison, Brooks. This English elective has minimal homework because it is considered a second English class.

THE ART OF THE ESSAY Trimester course *L

Open to grades 10 -12.

Tobias Wolff writes, "Writing gives you a discipline and that in itself is lifesaving. It is character-saving, which for me is the same thing. Very active writing creates character and a sense of will and orders your day. It forces you to find meaning, not only in your own life, but in your life among others." This course encourages students to view essay writing as an art that instills beauty, meaning, and order to their thoughts. The Art of the Essay combines an appreciation for essays with the practical foundations for honing students' essay writing skills. Whether it is the timed essay required by the ACT and SAT, the college personal essay, the various supplemental college application essays, or the standard academic essay, the ability to write a short, clear piece of English prose is an essential skill for college-bound students. This course will give students the opportunity to explore their unique voices in writing while helping them craft well-structured pieces of prose. Because good writers must immerse themselves in good literature that will challenge and shape their ideas and style, we will also read a variety of classic essays. Students will have time to write and to receive intensive feedback in a workshop setting. This English elective has no additional homework because it is considered a second English class.

CREATIVE WRITING WORKSHOP Trimester course

Open to grades 10-12.

Thoreau writes, "A written work is the choicest of relics. It is something at once more intimate with us and more universal than any other work of art. It is the work of art nearest to life itself." This course nurtures the creative talents of all students, from future engineers to future poets, beginners to advanced writers, to help them write pieces that are personally meaningful and near to life itself. In an intimate workshop setting, students will be given great freedom in what they write and will receive feedback and support from their colleagues. Some writing will be assigned, but students will have time to work on individual projects as well. This English elective has no additional homework because it is considered a second English class.

FINE ARTS

A full year of fine arts is required for graduation.

The fine arts program has been designed so that students have many choices each trimester in all areas of the arts. A full year of fine arts, in any sequence, will fulfill the fine arts requirement for graduation. Most of these courses may be taken any time over the four years. Please check the prerequisites when choosing fine arts courses.

In visual arts, students learn the fundamental concepts of making and appreciating art by creative problem solving in all media. A variety of classes are available after the prerequisite Art and Design I course is taken. Courses are discipline-based to emphasize learning through skill development, world arts, aesthetics, and critique. Examples from world art are chosen to inspire class assignments. AP Studio Art is available to juniors and seniors by permission of the instructor.

The drama program offers a variety of classes. Six acting or technical stage courses and film are offered every year in a rotation. Each course emphasizes theater through an historical context, skill-building techniques, and critical analysis. Stage techniques, character analysis, and creative problem-solving are also emphasized.

The music program fosters the skills of analysis, criticism, and vocal technique. Stuart has two singing groups: the Tartantones, open to all, and Vox Unum, an auditioned vocal ensemble. In addition, courses in music theory, history, and appreciation are offered. Instrumental music lessons are offered through collaboration with Westminster Choir College. The Stuart chamber ensemble may provide opportunities for students to perform throughout the year.

The dance program is offered as a Physical Education credit. Jazz Dance is part of the winter musical. Dance meets after school in trimester 3 for 5 days/week.

Performance Arts Credit

Upper School students may earn a Performance Arts credit toward graduation in one or more of the following activities: Cast and Crew of the Fall Play: 1 credit; Cast and Crew of the Winter Musical, 1 Credit; Tartantones for 1 full year: 1 Credit. These activities will be graded PASS/FAIL based on specific criteria. These credits will be included in overall graduation credits but WILL NOT fulfill the mandatory Fine Arts class credits needed for graduation.

VISUAL ART AND DESIGN

CLAY WORKSHOP Trimester course

Open to grades 9-12. No prerequisite.

Students create artifacts representing imaginary cultures, inspired in part by history. Students take a field trip to the Princeton University Art Museum for inspiration. Students design and build artifacts to

describe and define their cultures. A final presentation includes a research paper, drawings, photographs, and objects displayed as a museum collection

ART AND DESIGN Trimester course

Open to grades 9-12. This course is a prerequisite course for all studio classes.

No prior art knowledge or experience is needed. In this course, students will learn the basics of drawing. This class will explore the fundamentals of image making in 2-dimensional and 3-dimensional art. The following elements of art are explored: line, value, shape and form, texture, and color. Emphasis is placed on skill building, and individual expression is encouraged.

STUDIO: DRAWING, PAINTING, AND PRINTMAKING Trimester course

Open to grades 9-12. Prerequisite: Art and Design.

Students will experiment with materials through drawing, painting, and printmaking. Art History and personal interests are strongly emphasized in this student-centered course. The basics are strengthened, and imagination is encouraged. Some art history research and presentations enhance the understanding of art in a cultural and historical context.

STUDIO: ALL ABOUT COLOR Trimester course

Open to grades 9-12. Prerequisite: Art and Design.

Students study color through a series of 2-dimensional projects. The impact of color in works of art will be discussed as well as the myriad ways artists, artisans, and designers use color in various cultures. Students will research artists and art movements as inspiration for their own works of art. Some art history research and presentations enhance the understanding of art in a cultural and historical context.

STUDIO: MIXED MEDIA Trimester course

Open to grades 9-12. Prerequisite: Art and Design.

Students explore the many ways distinct media can be combined for exciting effects. Digital and traditional media will be used such as drawing, printmaking, book making, painting, collage, found object sculpture, and installation. Current events, cultural and historical research will also be a component in this course

ADVANCED STUDIO Full-year course.

Open to grades 10-12. Prerequisites: Studio Art and Art and Design, One Studio art, or permission of the instructor.

This is a yearlong class focused on building skills and a portfolio for college admission. Much emphasis will be placed on skill building and reinforcing fundamental skills as well as on moving students to use art to communicate their ideas directly. Some art history research and presentations will enhance the understanding of art in a cultural and historical context.

ADVANCED PLACEMENT STUDIO ART Full-year course

Open to grades 11-12. Prerequisites: Art and Design, Studio, Advanced Studio, and signature of Fine Arts Department chair.

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Students will utilize the mastery gained in previous classes to build a body of work reflective of their interests, with the guidance of the instructor. Further explorations will be done in drawing, painting, color, and design. This is an extremely rigorous course that demands consistent outside work and a clear vision as a concentration statement. Students will submit their work to the AP board in the spring.

PHOTOGRAPHY I: Digital Art Trimester course

Open to grades 9-12. No prerequisites.

Learn the basics of the digital camera and how to photograph using all the various modes and settings. Emphasis is on learning the manual controls of the camera through a variety of assignments. Projects include: Understanding light, aperture and shutter speed, the rules of composition, basic photoshop techniques, surreal compositions, and an 'Inspired by an artist' assignment.

LEADERSHIP THROUGH THE LENS Trimester course ***STEM** and ***L**

Open to grades 9-12. Prerequisite Digital Art Photography 1.

Students will understand the concept of leadership through the lens by creating a thematically unified and powerful series of images. Combining images with research on social issues, students will be able to design and create photo series that raise awareness. Titles of projects include: The Photo Essay, In The News, and Photo Illustrations in Psychology; all projects will join research with photography to create art that tells stories of the human condition.

BLACK AND WHITE DIGITAL PHOTOGRAPHY Trimester course

Open to grades 9-12. Prerequisite Digital Art Photography 1.

Students will continue to develop their skills and style with black and white digital photography. This course concentrates on studio set ups and lighting for portraiture, storytelling through the photo essay, and building a collection of images that illustrate the elements of design (line, color, shape, form, value, space, texture).

HONORS PHOTOGRAPHY Full-year course

Open to grades 11-12. Prerequisites: Digital Art Photography 1 and additional photography class and signature of Fine Arts Department chair.

After two trimesters of photography, a student is eligible to take the year-long Honors Photography class. Based on the AP model, concentrations are developed. Students will learn shooting in the RAW file format, processing images, and how to batch action images by writing scripts. The series of assignments enables each student to explore and build a strong body of work. Projects include: building complex still life sets, distorting self portraits, studio portraiture, collaborations with the maker-space; students will compile and present a portfolio for review and critique.

GRAPHIC DESIGN Trimester course ***STEM**

Open to grades 9-12. No prerequisite.

Students will explore graphic design through the Adobe Creative Suite of software (InDesign, Photoshop and Illustrator), and how and what to communicate to create effective messaging through a variety of

design projects. Projects will include: logo design, book cover design, info-graphics, and designing a suite of graphics for the business kit of a startup company.

MUSIC

TARTANTONES Full-year course

Open to grades 9-12.

Meets three times per cycle.

One Performance Arts Credit

The emphasis of this group is rehearsal and performance of high quality choral music. Each student will develop personal musicianship, vocal skills, and a sense for working together as an ensemble. The director will choose classic and modern music for this group that is appropriate to its size and ability while also taking repertoire suggestions from students. This choir provides opportunities to perform for peers, parents, faculty, and the general public. The Tartantones perform at Evensong, Spring Concert, Prize Day, Graduation, and other venues on and off campus. The culmination of the Tartantones' school year will be a trip to a choir competition or performance (location to be announced).

VOX UNUM (extracurricular) Full-year course

Open to grades 9 – 12. Prerequisites: Successful audition and membership in Tartantones and constant attendance at rehearsals.

Meets one evening per week from 5:45 PM -6:30 PM and during occasional lunches.

One Performance Arts Credit

This group performs advanced choral selections for special occasions within Stuart and for the local community. Each student will develop advanced musicianship, vocal skills, and a sense for working together as an ensemble. The director will choose classic and modern music for this group that is appropriate to its size and ability while also taking repertoire suggestions from students. This choir provides opportunities to perform for peers, parents, faculty, and the general public. Vox Unum performs at Evensong, Spring Concert, Prize Day, graduation, and other venues on and off campus. The culmination of the Vox Unum school year will be a trip to a choir competition or performance (location to be announced).

BASIC MUSIC THEORY Trimester course

Open to grades 9 – 12. No prerequisite.

Learn how to read music! This course covers the basics of rhythm, pitch, notation, expression markings, articulations, sight-singing, ear training, and keyboard skills. This course is ideal for students who are interested in an introduction to reading music at a beginner's level. In this course we will also analyze and sing examples of music notation from the standard repertoire and write original melodies.

INTERMEDIATE MUSIC THEORY Trimester course **NOT OFFERED 2018-2019**

Open to grades 9–12. Prerequisite: Approval of instructor and fluency on a musical instrument.

This course is offered every other year. It will be offered in 2019–2020.

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This course and the first trimester of AP Music Theory will run concurrently. This course is intended for students who are experienced music readers and wish to deepen their music theory knowledge to include major and minor scales, intervals, counterpoint, and traditional melody and harmony. We will analyze these concepts via historical music examples and discuss their usage within the music history spectrum. This course will include composition, dictation, ear training, and sight singing.

ADVANCED PLACEMENT MUSIC THEORY Full-year course **NOT OFFERED 2018-2019**

Open to grades 10–12. Prerequisite: Demonstrated facility on an instrument and permission of instructor in the spring prior to enrollment in the course.

This course is offered every other year. It will be offered in 2019–2020.

This is a full year course of college-level music theory. We will cover advanced music theory concepts, including rhythm and meter, major and minor scales, modes, intervals, triads, counterpoint, four part harmony, figured bass notation, modulations, cadences, and form. Analysis of major works, composition, and dictation are integral components of this course as well as ear training and sight-singing. It is the expectation that students enrolled in this course will take the Advanced Placement Examination in Music Theory in May. Students are expected to devote ample time to study and homework throughout the year and especially in the spring in order to be prepared for the AP Exam.

MUSIC COMPOSITION Trimester course

Open to grades 9-12. Prerequisite: Approval of instructor and fluency on a musical instrument.

This course is ideal for students who are interested in learning the basics of composition tailored to the instrument of their choice. We will begin by analyzing examples of famous melodies and pieces to decide what makes them ideal compositions. With our instruments as our primary resource, we will notate original pieces using traditional music notation and Garage Band. We will hone our rhythm, pitch, and notation skills, and learn how to use expression markings and articulations in an effective way. We will also investigate sight singing and ear training as helpful composing tools.

EVOLUTION OF MUSIC Trimester course

Open to grades 9-12. No prerequisite.

In this course we will investigate how music evolved through the last millennium into today's unique musical styles. We will explore an overview of music history through the Medieval, Renaissance, Classical, Romantic, and Modern periods. Students will learn a variety of musical terms and historical facts. For each era of music history we study, we will ask the students to find parallels with a current musical style of their choice. The students will present their findings and research through short essays, presentations, group projects, and other means of expression.

INSTRUMENTAL ENSEMBLE Full-year course; meets three times per cycle.

Open to grades 9-12. Prerequisites: Private lessons and/or experience on an orchestra or band instrument.

One Performance Arts Credit

The emphasis of this group is the rehearsal and performance of classic and modern music that is appropriate to the group's size and ability. The students will learn about different ensemble

arrangements, performance styles, and the history of instruments, composers, symphonies, and music culture. Each student will develop personal musicianship and a sense of working together as an ensemble. They will also perform together in each class and, depending on development, may have opportunities to perform for the rest of the school. Each student must provide her own instrument. Private lessons can be provided onsite at Stuart. These lessons would take place during Office Hours, study halls, flex, or after school for an extra fee. Mr. Maciowski can be contacted for scheduling and specific questions on lessons.

INSTRUMENTAL ENSEMBLE Full year course: meets three times per cycle

Open to grades 9–12. Prerequisite: Private lessons and/or experience on an orchestra or band instrument.

One Performance Arts Credit

The emphasis of this group is the rehearsal and performance of classic and modern music that is appropriate to the group's size and ability. The girls will learn about different ensemble arrangements, performance styles, and the history of instruments, composers, symphonies and music culture. Each student will develop personal musicianship and a sense for working together as an ensemble. They will also perform together in each class and depending on development may have opportunities to perform for the rest of the school. Each student must provide her own instrument. Private lessons can be provided onsite at Stuart. These lessons would take place during extra help study halls, or after school for an extra fee. Mr. Maciowski can be contacted for scheduling and specific questions on lessons.

VISUAL AND DESIGN ARTS

STAGECRAFT AND DESIGN Trimester course *L

Open to grades 9-12.

This class explores stage design; students will analyze and critique several specific plays. The class explores the design elements in set design, lighting and costume design. Area design professionals will be guest instructors. The class will create will design a production and a present a " Shark Tank" scenario to theater professionals. The class will create stage/set designs and costumes designs. We will see an area play as well. This class creates theatre technical support for the eighth grade musical.

STAGECRAFT AND DESIGN 2 Trimester course *L

Open to grades 9-12. Prerequisite: Stagecraft and Design.

This class will take on leadership roles for the 8th grade musical production. This course will fulfill a Leadership Endorsement class.

ACTING AND DIRECTING Trimester course

Open to grades 9-12. No prerequisite.

This class explores the skills required for authentic acting on stage and for film. The class will research and explore various director's artistic vision and through-line. Each student will direct a short scene using

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the skills necessary for motivated stage movement and directorial choices. Students will critique area performances and create several short pieces for Lower School and Middle School.

THE ART OF COMEDY Trimester Course

Open to grades 9-12. No prerequisite.

This class explores the genre of comedy in film, theatre and television. Skits, monologues, short scenes will be explored. Students will create, perform and direct comedies specific to each medium. The class will create their own Comedy program entitled SDL. (Stuart Day Live) as a podcast.

CINEMATOGRAPHY I Trimester course ***STEM**

Open to grades 9-12. No prerequisite.

This course focuses on the basic skills of film vocabulary, storyboarding, and aesthetic understanding of film. Students view various film genres. Critical analysis of movies and film will also be explored. Cinematography I students will create three original short films. This class will use Premiere Pro software for editing.

CINEMATOGRAPHY II and III: Leadership through story ***STEM** and ***L**

Open to grades 9-12. Prerequisite: Cinematography I.

Students in Cinematography II will use film to speak about social justice and awareness, and diversity through personal story. These projects will be accompanied by presentations. Students in Cinematography III will create a script and two short films that focus on themes of leadership.

ARCHITECTURE I Trimester course ***STEM**

Open to grades 9-12. No prerequisite.

This introductory course explores the aesthetics and design in architecture. Appreciation and analysis of architecture through specific eras and trends are studied. Students will create an original concept and design using CAD software and a physical model. These designs will be presented to and critiqued by local professional architects. Students will take field trips to architectural studios and Princeton University.

ARCHITECTURE II Trimester course ***STEM**

Open to grades 9-12. Prerequisite: Architecture I.

This is a student-centered experiential course in which students assume the role of architect and create a design project for a particular client.

INDEPENDENT DRAMATIC STUDIES Trimester course

Open to grade 12. Prerequisite: two or more theater classes.

This course is designed to give a student opportunities to build a theatrical portfolio in design, acting, and directing. The student will develop an advanced understanding of dramatic literature or production techniques. The course will culminate in a student-driven production, handbook, and portfolio. Assessment will be a self critique, analysis of work, and construction of portfolio.

DRAMATIC PRODUCTIONS

Open to grades 9 -12. No prerequisite.

- FALL PLAY: Trimester 1. *One Performance Art Credit*
- WINTER MUSICAL: Trimester 2. *One Performance Art Credit*
- THE WINTER MUSICAL-JAZZ DANCE: Trimester 2. *One Physical Education Credit*

DANCE Third trimester

Open to grades 9 -12. No prerequisite.

One Physical Education Credit

Dance meets five days per week from 3:15-5:30 PM. Dance offers fitness with insight, sensitivity, creativity, individuality, understanding about the body, and artistry. The class will include ballet, modern and jazz dance. Pilates and yoga will be included in the warm up section of this class. The class will culminate in a final production at the Upper School Sports Awards Banquet or equivalent public performance.

HISTORY

Two years of history are required for graduation.

One of these required courses is World Cultures and Civilization which the majority of students take in grade 9. World Cultures may be taken in the 10th grade. The other required history course is either United States History or Advanced Placement United States History, which is taken in grade 11. Honors Modern European History/Modern European History is a prerequisite for grade 11 AP United States History. The basic goal of the History Department is to help students gain perspective through which to view their own experience and the experiences of people of other times and cultures. A broadened perspective enables students to become knowledgeable, responsible citizens of their own communities and of the world.

WORLD CULTURES AND CIVILIZATIONS Full-year required course

Open to grades 9 and 10. No prerequisite.

This course examines the breadth of human experience throughout the past and present, and recognizes the value of cross-cultural, interdisciplinary, and humanistic approaches to the study of India and China. Global citizenship and increasing interdependence demand that students gain understanding of their own and other cultures, have knowledge of the past, develop critical thinking, appreciate philosophical and religious ideas, and have an understanding of 21st century political and economic institutions. Opportunities to read memoirs such as *Red Scarf Girl* and *Wild Swans* and novels such as *The Good Earth* deepen the students' appreciation for other cultures. Emphasis is placed on skills including close and careful reading of primary and secondary sources, analytic essay writing, and research. In the winter, the students write a scholarly paper that focuses on a topic of their choice relating to modern India. The development of these skills prepares students for subsequent work in history and social science classes.

MODERN EUROPEAN HISTORY Full-year course

HONORS MODERN EUROPEAN HISTORY Full-year course

Open to grades 10-12. Prerequisites: Honors requires an A- or better in World Cultures and Civilizations, United States History, or AP United States History and signature of History Department chair.

How might current events be understood in light of the past? This course emphasizes the deep roots of the present in the past to explore modern European history from the 17th through 21st centuries. Themes to be explored include: the Nation State (the EU, Austrian empire, World War I, and World War II); Political Autonomy (Brexit, the English Civil War, French Revolution, Haitian Revolution, Europe in Africa, and Revolutions in 1989); Workers of the World (patterns of migration, industrialization, colonization, and globalization); State Violence (terrorism, detention camps, border regimes, the Inquisition, the Terror, the Gulag); and European Culture (multiculturalism today, The Enlightenment, rise of the middle class, and social mobility). By the end of the year, students will have acquired a reliable knowledge of key historical figures and events; honed crucial skills in the critical reading of both primary and secondary sources; refined their ability to formulate and develop historical arguments in formal writing as well as during class discussions; and nurtured a curiosity about the world not only as it seems to be, but also as it once was.

UNITED STATES HISTORY Full-year course

Open to grade 11. Required course.

Beginning with first encounters and ‘settler colonialism,’ this course inspires students to examine such foundational events, documents, and institutions as the Revolutionary War, Declaration of Independence, Constitution, Civil War, Supreme Court, Civil Rights movement, immigration policy, and the modern presidency. The basic tenets of historical thinking (change, causality, context, complexity, and contingency) along with crucial skills of the discipline (sourcing inference, argumentation, quotation, caging) are emphasized in class discussions, informal writing, and frequent in-class writing exercises. In the winter and spring, students research a topic of their choosing related to civil rights; they learn to devise a thesis, develop an argument, marshal evidence, and write a formal, analytic research paper. The goal is to develop historically and culturally literate students with a sophisticated sense of American social and political history.

ADVANCED PLACEMENT UNITED STATES HISTORY Full-year course

Open to grades 11 and 12. Prerequisites: a grade of A- or higher in Honors Modern European History or an A in Modern European History, or an A- in Modern U.S. History and the signature of the History Department chair.

This course examines the history of the United States from the colonial era through the Reagan Presidency, with a particular focus on the expansion and contraction of liberty throughout American history. The AP curriculum relies heavily on primary source materials, encouraging students to explore the nation’s history through the voices of its diverse people – the leaders and the ordinary men and women who shaped the past. The course emphasizes critical analysis, interpretative thinking, and inclusive class discussion. AP US History is a writing-intensive course in which students strengthen their skills through a variety of assignments including quizzes, tests, in-class essays, document based analyses, and research projects. Students participate in oral presentations and group projects. Juniors and seniors enrolled in this course are required to take the Advanced Placement US History Exam offered in the spring.

MULTICULTURAL AMERICA Full-year course

Open to grades 11 and 12. No prerequisite.

This interdisciplinary humanities course introduces students to the cultural diversity of the United States through the study of literature, theater, visual arts, film, music, and history in the context of contemporaneous events and enduring issues. Focus falls on the historical experiences, political goals, and artistic expressions of various racial and ethnic groups within the United States, with special attention to the hierarchical structures of race as a social construct. Students will sharpen their skills in analysis and argument through frequent, short writing assignments that develop the capacity for historical thinking and cultural criticism; active participation and class discussion are required. In the third trimesters, students will undertake a practical, hands-on research project with real world implications. In 2018-19, topics will include African American identities, Latino USA, and indigenous America, with the third trimester devoted to crafting a "land acknowledgment" statement ("a formal statement that recognizes the unique and enduring relationship that exists between indigenous peoples and their traditional territories") to be presented to the Stuart administration for possible adoption.

PSYCHOLOGY

ADVANCED PLACEMENT PSYCHOLOGY Full-year course

Open to grades 11 and 12. Prerequisites: a grade of A- or higher in Honors European History, American History, or AP US History, and the signature of the History Department chair.

AP Psychology examines a wide variety of topics in the field of psychology including: the history of and approaches to psychology, biological bases of behavior, social, emotional and cognitive development, motivation and emotion, social psychology, and abnormal psychology. This is a college-level course that requires extensive reading, research, writing, quizzes, tests, and presentations. Course work will reinforce and strengthen skills such as critical thinking, analysis, and synthesis. Students taking this course are required to take the Advanced Placement Psychology Exam offered in the spring.

ECONOMICS

ECONOMICS: INTRODUCTION Full-year course

Open to grades 11 and 12. No prerequisite.

In this introductory economics course, students explore the science of decision making through classic microeconomic principles. The course begins with the fundamentals of analysis, supply and demand, competition, and market systems, with an emphasis on the practical application and examination of theory in the real world. Students design and execute behavioral economic studies to challenge the rigor of utility and incentives, create conceptual markets for abstract resources, and analyze a collection of infamous strategic puzzles through the principles of game theory.

ART HISTORY

ART HISTORY Full-year course or may be taken as a trimester course

Open to grades 11 and 12. No prerequisite.

This course introduces students to a wide variety of artworks within diverse historical and cultural contexts, emphasizing such issues as power, politics, religion, patronage, audience, gender, and ethnicity. By examining works of architecture, sculpture, painting, and other media from around the world, students develop skills in visual analysis and historical contextualization. Focus falls on art in context rather than exclusively the product of individual intent. The goal is not simply to recognize and identify a canon of works; instead, students are asked to acquire and demonstrate an ability to use historical knowledge, analytical skills, and contextual information to articulate an accurate understanding of even unfamiliar pieces. Frequent visits to the Princeton University Art Museum will ensure that students become deeply familiar with that particular collection. Topics for each trimester are as follows:

Full year: Art of the United States, European Art, and Art, Ritual, and Religion

Trimester 1: Art of the United States from the 18th Through the 20th Centuries (pairs well with American Literature, US History, AP US History, and AP English)

Trimester 2: European Art from the 18th Through the 20th Centuries (pairs well with European History, British Literature, and AP English);

Trimester 3: Art, Ritual, and Religion (pairs well with Multicultural America, all Theology courses — especially World Religions, and World Literature). The three trimesters together span global prehistory to the global present; students may elect to take one, two, or all three trimesters

MATH AND COMPUTER SCIENCE

Three years of mathematics are required for graduation.

The mission of the Mathematics and Computer Science Department at Stuart Country Day School of the Sacred Heart is to empower students to think quantitatively and analyze logically for the purpose of solving real world problems. Every student has the opportunity to do advanced work; every student has courses available to meet her own learning objectives. Overall, the department strives to create mathematical citizens capable of thinking mathematically in non-mathematical areas.

Toward that end, a strong core curriculum in Algebra, Geometry, and Algebra 2 is offered for students in their first two or three years of study. Geometry and Algebra 2 are offered as either regular or honors courses, with some important differences between the levels. Depending on which Algebra 2 course is taken, students can choose Precalculus at the regular or honors level, followed by the appropriate Advanced Placement calculus course. Students not wishing to embark on a calculus track can further their mathematical development through the study of trigonometry, probability and statistics; students desiring more challenge in statistics can enroll in Advanced Placement Statistics. Students are required to study mathematics for three years, but four years is recommended.

In computer science, all students should be competent in using a computer as an effective tool for supporting their academic work. Students should know how to create, store, and organize information; be knowledgeable in regard to online usage and management of personal information; and be able to use a variety of core applications. Students can learn how to design online environments, how to create animation for those environments, how to write and design computer programs and create devices that use programming to function. The electives offered reflect these opportunities. In addition, students may choose the challenge of Advanced Placement Programming, in which Java is taught.

MATHEMATICS

ALGEBRA 1 Full-year course

Open to grade 9. Prerequisite: Pre-Algebra.

Algebra is a way of thinking about and representing many situations. As the President of the Mathematical Association of America, Paul Zorn, stated, "What amazes me still is the power of one simple idea: You can manipulate unknowns and knowns to solve equations." This course introduces students to these new ideas and new ways of learning. It is important that students view algebra as a tool for problem solving, reasoning, communication, and making connections. The main topics of Algebra 1 include symbolic algebra (e.g., equation solving, exponents, factoring), functions, data analysis, and mathematical modeling. These topics are embedded in contextual settings that provide students with an opportunity to make connections between algebra and other disciplines. Technology enables students to solve problems and to make mathematical conjectures in a variety of ways.

GEOMETRY Full-year course

Open to grades 9-10. Prerequisite: Algebra 1

Students utilize a variety of techniques including constructions, inductive and deductive reasoning in order to formulate the conjectures that are, in fact, all of the fundamental definitions and theorems of Euclidean Plane Geometry. Students will explore how they can use their conjectures with an introduction to formal proofs. This hands-on course contains all the topics in a typical geometry course, from the basics of segments and polygons through triangle congruence and solid geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students explore real world problems using hands-on manipulatives as well as technology such as GeoGebra and the graphing calculator. The course also links algebra and geometry, and provides many opportunities for students to practice their algebra skills.

HONORS GEOMETRY Full-year course

Open to grades 9 -10. Prerequisites: a grade of A or higher in Algebra 1 and the signature of the Mathematics Department chair.

This is a classic, proof-based course where students will study all of the fundamentals of Euclidean Plane Geometry while learning to express their own mathematical thinking in clear, sequential, and well-reasoned arguments. The logic, skills, and format that students will use in their geometry proofs will serve as a model for their work in the many disciplines that require well-constructed expository essays and arguments. This course is rigorous and fast-paced. It requires a commitment to work cooperatively as learners in the classroom and to wrestle with complex concepts at home.

ALGEBRA 2 Full-year course

Open to grades 9-11. Prerequisites: Algebra 1 and Geometry

This course begins with a review of the basic concepts of algebra, progresses to elementary linear, quadratic, and other polynomial functions, and culminates in exponential and logarithmic functions. The development from rational to irrational to complex numbers is emphasized. The computer and graphing calculator will be used whenever possible for comprehension and exploration. This course prepares students for success in Precalculus or Statistics, and, along with Geometry, prepares students for standardized testing. If a student is rusty in her Algebra 1 skills and concepts, summer review work may be helpful in preparation for this course. (Note: Based on grades earned in Algebra I and/or algebra assessment results for new or returning students, you might be required to complete a course or similar work in order to be prepared for success in Algebra 2).

ALGEBRA 2 HONORS Full-year course

Open to grades 9-11. Prerequisites: a grade of A or higher in Algebra 1 and Geometry, and A- in Honors Geometry, and the signature of the Mathematics Department Chair.

This accelerated course integrates the concepts of algebra with problem solving, real-life applications, and technology to connect mathematical concepts to real-world situations and includes typical topics of an Algebra 2 course, including a study of polynomial, rational, exponential, logarithmic and radical functions, solving equations and inequalities using those functions, and a full treatment of triangular and circular trigonometry. Technology use will facilitate investigation and analysis of properties and applications. This course prepares students for success in Honors Precalculus, and, along with Honors

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Geometry, helps prepare students for the math portion of the College Board SAT or ACT. High-achieving students may elect to take the SAT II Level 1 in Mathematics after successful completion of this course.

PRECALCULUS Full-year course.

Open to grades 10-12. Prerequisites: a grade of A- or better in Algebra 2 and the signature of the Mathematics Department Chair.

Precalculus is for all students interested in exploring calculus and beyond. The course focuses on the use of technology and data analysis to develop students' thinking, problem-solving, and communication skills. Topics covered include transformations and function properties; trigonometric and circular functions and applications; polynomial, rational, exponential, and logarithmic functions; sequences and series; and probability and statistics topics. Students will not only learn how their previously learned skills are applied, but also how ideas work together. Students will be able to work with functions represented in a variety of ways - graphical, numerical, analytical, or verbal - and they will understand the connections among these representations. Students will learn to understand the language of functions (domain and range, odd and even, periodic, symmetry, zeroes, intercepts, etc.) Technology is incorporated to help. Students will learn to communicate using mathematics and explain solutions to problems both orally and in written sentences. After this course, students can choose whether to take the SAT II Level I or Level II test. In particular, before studying calculus, students must be familiar with the properties of functions, the algebra of functions, and the graphs of functions.

PRECALCULUS HONORS Full-year course

Open to grades 10-11. Prerequisites: a grade of A- or higher in Algebra 2 Honors, and the signature of the Mathematics Department Chair.

Precalculus Honors is for students who are interested in studying AP Calculus, and who are likely to desire studying mathematics-related fields in college. This course is intended to precede BC Calculus, but students can enroll in AB Calculus instead if they wish. As with Precalculus, the course focuses on the use of technology and data analysis to develop students' thinking, problem-solving, and communication skills. Students will learn to understand the language of functions (domain and range, odd and even, periodic, symmetry, zeroes, intercepts, etc.) Topics covered include transformations and function properties, sequences, series, and probability and statistics topics. In the spring, girls will begin the study of calculus, experiencing the topics of limits, derivatives, and two types of integrals! Further, girls will not only learn how their previously learned skills are applied, but also how ideas work together. Students will be able to work with functions represented in a variety of ways - graphical, numerical, analytical, or verbal - and they will understand the connections among these representations. Technology is incorporated to help. Students will learn to communicate mathematics and explain solutions to problems both orally and in written sentences. After this course, students can choose whether to take the SAT II Level I or Level II test, depending on necessity or comfort.

CALCULUS Full-year course

Open to grades 11-12. Prerequisite: a grade of C or higher in Precalculus

Calculus course extends student's experience with functions as they study the fundamental concepts of Calculus: limiting behaviors, difference quotients and the derivatives, Riemann sums and the definite integral, anti-derivatives and indefinite integrals, and the Fundamental Theorem of Calculus. Students

review and extend their knowledge of elementary functions, trigonometry and basic analytic geometry. Important objectives of the calculus sequence are to develop and strengthen the students' problem-solving skills and to teach them to read, write, speak, and think in the language of mathematics. In particular, students learn how to apply the tools of calculus to a variety of problem situations including related rates, maximum and minimum problems, the area between curves, and volumes of solids of revolution.

ADVANCED PLACEMENT CALCULUS AB Full-year course

Open to grades 11-12. Prerequisites: A grade of A- or higher in Precalculus and the signature of the Mathematics Department Chair.

ADVANCED PLACEMENT CALCULUS BC Full-year course

Open to grades 11 - 12. Prerequisites: a grade of A- or higher in Honors Precalculus and the signature of Mathematics Department Chair.

Calculus AB and Calculus BC are primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multi-representational approach to calculus with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally, and the connection among these representations is stressed. Mostly, girls will develop an appreciation of calculus as a coherent body of knowledge and as a human accomplishment. Students and their teachers regularly use technology to reinforce the relationships among the multiple representations of functions, to confirm written work, to experiment, and to assist in interpreting results. As noted author Steven Strogatz wrote, "Yet in another way, calculus is fundamentally naive, almost childish in its optimism. Experience teaches us that change can be sudden, discontinuous, and wrenching. Calculus draws its power by refusing to see that. It insists on a world without accidents, where one thing leads logically to another. Give me the initial conditions and the law of motion, and with calculus I can predict the future—or better yet, reconstruct the past." Note: All AP Students are required to take the exam for the course.

ADVANCED PLACEMENT STATISTICS Full-year course

Open to grades 11 - 12. Prerequisites: A grade of A or higher in Algebra 2 and the signature of the Mathematics Department Chair.

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Statistics is arguably the most practical, useful, and applicable mathematics-related course. As we are bombarded by data and statistical arguments every day, what better way to really understand than to learn statistics? As Lady Gaga herself stated, "I'm doing everything that I can, working with experts, really studying the statistics to figure out a way we can make it cool or normal to be kind and loving." Students enrolled in this course are required to take the Advanced Placement Statistics Exam offered in the spring

MATH TRIMESTER COURSES

TRIGONOMETRY First trimester

Open to grades 10-12. Prerequisite: Algebra 2

Trigonometry means “triangle measurement.” Students enrolling in this elective will learn all about the trigonometric functions, their applications, and how to measure indirectly using sine and cosine. Students will apply algebra they have learned by verifying trigonometric identities and solving trigonometric equations. Students will apply these principles in various fields of math and science. Topics will include angles and triangles, radian measures, vectors, trigonometric identities, graphs, and formulas. By the end of the course, students will have a solid understanding of the laws that govern triangle relationships, be able to apply trigonometry as a problem-solving tool in the real world, and solve problems logically through mathematical reasoning.

PROBABILITY AND STATISTICS I Second trimester

Open to grades 11-12. Prerequisite: Algebra 2

PROBABILITY AND STATISTICS II Third trimester

Open to grades 11-12. Prerequisites: Algebra 2 and Probability and Statistics I

In Probability and Statistics, students learn the tools they need to grapple with the data that they are flooded with every day. The course can be taken for one or two trimesters. The winter term focuses on learning how to design a reliable study, collect meaningful data, conduct quantitative analysis, and draw appropriate conclusions. Students will also be introduced to probability theory, counting techniques, and distribution curves. The spring term focuses on using probability laws to make inferences on a set of data. The course culminates with a project in which students conduct and analyze their own study on a topic of their choosing. In both trimesters, emphasis will be placed on practical use of statistics to explore real-world situations and analyze claims made in the media. This course is recommended for any junior or senior who has successfully completed Algebra 2.

FINANCE trimester course *L and *STEM

Open to grades 11 and 12. No prerequisite.

In this course, students use spreadsheet software to create financial models for business loans, dividends, stock projections, resource flow, and more, all from the context of a single, course-long business project. From the first day of class, students are charged with the creation, design, and virtual execution of their own small business, to be evaluated by the Stuart business office, local entrepreneurs, and faculty. In coordination with the Campus Ministry, all student businesses are designed as sustainable and profitable models that function both economically and ethically in support of local causes. A large emphasis is placed on mathematical modeling and spreadsheet logic, with extensions into art, design, performance, statistics, and more.

EXPLORING MATHEMATICAL MODELING Trimester course *STEM

Open to grades 10 -12. Prerequisite: Algebra II.

Students use ideas from algebra, geometry, probability, and statistics to create mathematical models of reality. These models will use concrete, algorithmic, graphical, and technological tools to investigate and solve real problems. Students will be given the opportunity to sample a variety of applications of mathematics while reinforcing and extending many of the topics introduced in Algebra II. By the end of the course, students will model and explore a problem or real-world scenario of their choice with their new mathematical skills.

COMPUTER SCIENCE

One trimester of computer science is required for graduation.

ADVANCED PLACEMENT COMPUTER SCIENCE Full-year course

Open to grades 10-12. Prerequisites: AP Computer Science Principles, Introduction to Computer Programming, or DET, and signature of department chair.

Advanced Placement Computer Science is a college-level introduction to the Java programming language. Students will learn the intricacies of object-oriented programming specific to Java. The techniques include class declarations; encapsulation, inheritance, and polymorphism are emphasized. Students will extend their knowledge of introductory topics such as data types, iterative and conditional structures. In addition, students will learn to use basic data structures such as one and two-dimensional arrays. Students will learn multiple algorithms for searching and sorting data in these data structures (both recursive and iterative). In addition, the concept of the abstract data type is examined by studying different implementations of linked lists, stacks, queues, and trees.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES Full-year course

Open to grades 10-12. Prerequisite: signature of Mathematics Department chair

Computer Science Principles is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to engage students in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Students will learn how computer technologies work and the ideas behind them. The course will cover topics such as connecting computing, communication and abstraction, how data and information facilitate the creation of knowledge, how algorithms are used to express solutions to computational problems, how internet pervades modern computing, and what is technology's global impact in today's world.

COMPUTER SCIENCE TRIMESTER COURSES

INTRODUCTION TO COMPUTER SCIENCE

Open to grades 9-12. No prerequisite.

This course is designed to provide exposure to topics of computer science. Students will be introduced to object-oriented programming creating various animations and mini-games. The course emphasizes the importance of thoroughly analyzing problem statements, carefully selecting an appropriate algorithm and implementation of the algorithm. Students will learn about basic computer concepts such as class declarations and definitions, methods, parameters, conditionals (decision structures), and iteration (looping statements). No previous programming experience is required. In the class, students will also gain a better understanding of how computer science has shaped our world in addition to increasing their digital literacy. The course will also include discussion of computer ethics, current issues, emerging technologies, and technology careers.

WEB DESIGN

Open to grades 9-12. /No prerequisite.

In this course, student will learn the structure to create websites. Students will learn the basic techniques to create standard web elements through the use of other software programs. The course is project-based, led by your interests and introduces the tools, technologies, and possibilities of website design. It includes topics such as history and structure of the Internet, understanding basic HTML and CSS, image maps, preparing graphics, navigation, and interactivity. In addition, factors that are key to good website design, such as the use of layers, user interfaces, content creation, testing, publishing and refreshing are studied. The course will exercise a student's creativity and attention to detail, as well as her skills with new and challenging software. The course will also include discussion of computer ethics, current issues, emerging technologies, and technology careers.

WEB/MOBILE APP DEVELOPMENT *STEM

Open to grades 9-12. Prerequisite: Introduction to Programming or Web Design

Mobile apps are the wave of the present! Students will explore the tools need to develop her own iOS, Android, or Web Apps. Students will learn how to use open source technologies to design and build apps. Students will also look at using features of the phones, such as accelerometer, geolocation, and vibration, and will look at how to create the product on various platforms. In addition, students will discuss how to use client-side data storage, how to market and gain publicity for an app.

DESIGN OF EMERGING TECHNOLOGIES (DET) *STEM

Open to grades 9-12. Prerequisite: Introduction to Programming or Web/Mobile App Development

DET is a hands-on, project-based course that allows students to learn to build devices that interact with computers, to learn how emerging technologies interact, and to learn how these emerging technologies can be used. Students will explore connecting hardware to software through a myriad of input and output devices using fundamental programming. Students with a passion for innovation, technology, and programming are those best suited for this course. Physical computing takes a hands-on approach, which means that students will spend a lot of time building circuits, soldering, writing programs, and

building structures to hold sensors and controls. The nature of the material requires self-starting, self-motivated, creative individuals.

DESIGN OF EMERGENT TECHNOLOGIES II (DET) *STEM

Open to grades 9-12. Prerequisite: Design of Emergent Technologies I

DET II is a continuation of DET I. Students will continue to explore how computers interact to learn how emerging technologies interact and to learn how these emerging technologies can be used. Students will explore connecting hardware to software through a myriad of input and output devices using fundamental programming. Students with a passion for innovation, technology, and programming are those best suited to this course. Physical computing takes a hands-on approach, which means that students will spend a lot of time building circuits, soldering, writing programs, and building structures to hold sensors and controls. The nature of the material requires self-starting, self-motivated, creative individuals.

INTRODUCTION TO VIRTUAL REALITY *STEM

Open to grades 9-12. Prerequisite: Introduction to Programming or Web Mobile App Development

In this course, students will take their first steps toward becoming a VR Developer. Students will learn about VR technology and the principles behind it. Students will explore various platforms on which VR is currently being built. Students will learn the first steps toward creating her own VR experience. Students will practice learning how to move from concept and design to prototyping and testing. Students will create her own virtual experience that will be ready for others to explore.

SCIENCE

Three years of science are required for graduation.

The Science Department recommends that any student who is considering a career in science take a course in each of the three major disciplines: biology, chemistry, and physics.

BIOLOGY Full-year course

Required for grade 9. Open to new students in grades 10 and 11 who have not taken high school biology.

This full-year course in biological science covers such topics as molecular biology, genetics, physiology, evolution and the origins of life, and ecology. Students will learn how to apply the scientific method to laboratory analysis and data sets. Considerable laboratory work is required.

HONORS BIOLOGY Full-year course

Fulfills the biology requirement for grade 9. Open to new students in grades 10 and 11 who have not taken high school biology.

Prerequisites: Placement test, recommendation of 8th grade science teacher or previous science teacher, and/or review of standardized test scores.

This full-year course in biological science covers such topics as molecular biology, genetics, physiology, evolution and the origins of life, and ecology. The honors level will be taught at a faster pace to accommodate a greater depth and breadth of material. It will concentrate on developing analytical skills through the application of conceptual and mathematical models of the biological topics.

CHEMISTRY Full-year course

Open to grades 10-12.

Chemistry is the study of matter and the changes it undergoes. Students will learn about the history of the atom, stoichiometry, gas laws, periodic law and trends, and chemical bonding. This course also includes current topics in chemistry and their application to our lives. Considerable laboratory work is required.

HONORS CHEMISTRY Full-year course

Open to grades 10-12.

Prerequisites: Honors Biology grade of B+ or higher or Biology grade of A or higher, Algebra I with a grade of A or higher, currently enrolled either Algebra II, Honors Algebra II, or any level of Precalculus, and signature of the Science Department chair.

This course is geared for students with superior achievement in math and science. It includes such topics as chemical reactions, stoichiometry, atomic theory, electron configuration, chemical bonding, and reaction equilibrium. Considerable problem-solving and laboratory work are required.

PHYSICS Full-year course

Open to grades 11 and 12. Prerequisite: Chemistry with a grade of C+ or higher, Algebra II with a grade of C+ or higher, and the signature of the Science Department chair

Students investigate explanations about the physical world around them as they study the interactions between matter and energy. The course includes topics such as motion, forces, energy, light, sound, and electricity. Students learn physics actively through projects, labs, and real-world challenges as they collect, analyze, and interpret data. Students have opportunities to develop their scientific literacy and apply their new physics knowledge across disciplines. The course is geared to be conceptual, with an emphasis on laboratory exploration and less emphasis on mathematical applications. Students should have a comfortable working knowledge of Algebra.

HONORS PHYSICS Full-year course

Open to grades 11 and 12. Prerequisites: B+ or higher in Honors Chemistry, B+ or higher in Honors Algebra II or Precalculus, and signature of the Science Department chair

In this class, students investigate explanations about the physical world around them as they study the interactions between matter and energy. The course includes topics such as motion, forces, energy, light, sound, and electricity. Students learn physics actively through projects, labs, and real-world challenges as they collect, analyze, and interpret data. Students have opportunities to develop their scientific literacy and apply their new physics knowledge across disciplines. The course contains considerable analysis and mathematical problem solving with an emphasis on laboratory exploration.

ANATOMY AND PHYSIOLOGY Trimester course ***STEM**

Open to grades 10 – 12. Prerequisite: Biology

This course studies the body as a whole, its major components, and how they are arranged to carry out basic life processes. Consideration of the structure and function of the various organ systems will be studied through physiology lab work and dissection of vital organs such as the heart, kidney, eye, and brain. Comparative systems dissections will be performed on cats and sharks. This course is ideal for students who are interested in pursuing careers in health care, medicine, science, and research. If you are fascinated with the human body and how it works, this is the course for you!

BIOTECHNOLOGY Trimester course ***STEM**

Open to grades 11 – 12. Prerequisites: Biology and Chemistry

Part of the STEM elective series, biotechnology is the field of science that uses biological organisms or processes to improve the quality of human and animal life. Topics will include how biotechnology has improved our understanding of complex biological processes, our understanding of disease and medical treatments, and the production and quality of food. The laboratory component of this course allows students to use state-of-the-art laboratory equipment and techniques. Along the way, the economics and ethics of the use of biotechnology will be addressed. Students will gain a better understanding of how modern biotechnology research affects their everyday lives today and how it will influence their future.

FORENSIC SCIENCE Trimester course ***STEM**

Open to grades 10 -12 / Prerequisite: Biology

The Forensic Science course will introduce students to the application of science to law enforcement and investigation. It encompasses many aspects of STEM, including biology, chemistry, physics, materials

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science, and technology. Topics to be discussed will include the chemical and physical analysis of evidence, DNA and fingerprint analysis, and the use of deductive reasoning and logic. In addition, this course is designed to provide students with the theoretical and philosophical understanding of the investigatory process. The history of crime and criminals will also be a major topic of discussion.

ROBOTICS First trimester ***STEM**

Open to grades 9-12. No prerequisite.

Robotics will fulfill one required science credit and is offered first trimester only. In the second and third trimesters, it will be a required club.

Become a member of SPARKS 4936 Team. This course is completely student centered and project based as students learn the basic engineering principles needed to compete as a FIRST Tech Challenge (FTC) team. The course will consist of hands on learning in the main areas of robotics not limited to: the engineering design process, power tools and safety, mechanical system, computer aided drawing, electronics, programming and system integration. Students will focus on teamwork, project management, and problem solving to create a working robot for the challenge. In addition, students learn marketing and business management, as they become full participants in FIRST Robotics.

Students will be required to participate in aspects of the competitions and work sessions/team meetings after school and weekends when designated by the team.

OCEANOGRAPHY Trimester course ***STEM**

Open to grades 10-12 / Prerequisite: previous or current enrollment in Chemistry

Oceanography covers a wide range of topics, including marine life and ecosystems, ocean circulation, plate tectonics and the geology of the seafloor, and the chemical and physical properties of the ocean. The nearby New Jersey shore offers a local field study for the ocean ecosystem.

INTRODUCTION TO ENGINEERING Trimester course ***STEM**

Open to grades 10-12 . Prerequisite: Biology

This trimester science elective allows students to learn, develop, and apply fundamental principles of Engineering in the context of a single, collaborative project. Through coursework and curriculum that include introductory approaches to structural design, optimization, and simulation, students will take their project from the drawing board to CAD software, and finally into the real world.

BIOLOGY IN FILM AND FICTION Trimester course ***STEM**

Open to grades 10-12. Prerequisite: Biology.

Students will learn about biological concepts in film and fiction. The ability of these two mediums to accurately, and in some cases inaccurately, share the science will be discussed. The films and fiction novels have been chosen around five main themes: the biotechnology revolution, human self-determination, scientific method in biological research, ethics and biology, and their ability to enrich the students' knowledge of cutting edge biology. Students will have opportunities to participate in labs that mirror some of the advanced techniques used in the films and novels.

ADVANCED PLACEMENT SCIENCE CLASSES

Students electing an AP science course should expect to spend a minimum of six hours each week outside of class on homework and study. An ability to work and learn independently is a valuable asset in these classes. All students are required to take the AP exam in May.

ADVANCED PLACEMENT BIOLOGY Full-year course

Open to grades 11 and 12 / Prerequisites: A final grade of B+ or higher in Honors Chemistry; Biology; and the signature of the Science Department Chair

This second year course in biology uses a college text and prepares students to take the Advanced Placement Exam in Biology. There is a strong emphasis on laboratory work, inquiry based instruction, mathematical applications and lab design.

ADVANCED PLACEMENT CHEMISTRY Full-year course

Open to grades 11 and 12 / Prerequisites: a grade of B+ or higher in Honors Chemistry; enrollment in (or satisfactory completion of) Pre-calculus; and the signature of the Science Department Chair.

This second-year course will prepare students to take the Advanced Placement Exam in Chemistry. Material will be presented at the college level, and the Advanced Placement Curriculum for Chemistry will be followed. Emphasis is placed on problem-solving and inquiry based laboratory work and instruction.

ADVANCED PLACEMENT PHYSICS I Full-year course

Open to grades 11 and 12 / Prerequisites: a grade of A- or higher in Honors Algebra II or Precalculus and a grade of B+ or higher in Honors Chemistry; or A- in Honors Physics and the signature of the Science Department Chair.

In AP Physics I, students will uncover physical principles through active investigation of concepts and real world challenges. During the course, students will use their observation and analysis skills to learn about topics such as optics waves and electricity. The AP physics course contains considerable analysis and mathematical problem solving. It is recommended for students with high ability in math and science. There is a strong emphasis on laboratory work, inquiry-based instruction, and lab design.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE Full-year course

Open to grades 11 and 12 / Prerequisites: successful completion of at least two years of high school laboratory science (one year of Biology, one year of Chemistry); a grade of B or higher in Algebra; and the signature of the Science Department Chair.

The focus of Advanced Placement Environmental Science is the real science behind environmental problems and issues. Laboratory field investigations will constitute an important portion of the course. Topics covered will include matter and energy flow, population dynamics, renewable and nonrenewable resources, environmental quality and pollution, environment and society, decision-making, and choices for the future.

WORLD LANGUAGE

Three consecutive years of the same language fulfills the World Language requirement for graduation.

Mission statement: Be curious and connect. The World Language Program's ultimate goal is for each girl to connect intimately and passionately to the cultures and language that she studies, both in and out of the classroom.

In our multicultural world, Stuart's World Language program prepares and inspires young women to be active, informed, and responsible citizen leaders in the 21st century global community.

Real life experiences through travel and interaction with our sister schools around the world bring a depth of cultural knowledge and language practice. Being part of an international network, we offer and encourage real life experiences through multiple opportunities to travel to other Sacred Heart schools, and to host students from all over the world in our classrooms.

World Language Curriculum

Our program follows the ACTFL standards, preparing students for the 21st century. Students must take at least three (3) consecutive years of the same language in the Upper School to fulfill the World Language requirement for graduation. Students may choose to take an additional language if they wish; we encourage students to take at least two (2) years of the new language to master basic language skills. Students new to Stuart must take a placement evaluation. Middle School teachers recommend the language level for students transitioning to the Upper School.

FRENCH

FRENCH 1 Full-year course

"Parlez-vous Français?"

The main objective of this course is for the students to communicate entirely in French by the end of the year. Students discover French language and culture in an interactive environment using authentic sources. Students learn to introduce themselves, ask and answer questions, get involved in conversations about everyday activities, and connect and compare different cultures both orally and in writing. Language structures and vocabulary are presented in context and modeled by teachers, peers, native speakers, and multimedia resources.

FRENCH 2 Full-year course

Prerequisites: French 1 and signature of World Language Department Chair

Students new to Stuart will be assessed for entrance into this level.

"Ici, on ne parle que Français"

Instruction is in French. Students are required to speak French at all times in a supportive and comfortable environment where language skills are expected to grow. There is frequent, almost daily, collaboration where the students work together to strengthen both their oral and written skills. They

write, memorize, and perform frequent dialogues about the themes they are studying. Written tasks include: reflections, letters, short stories, and compositions. In cultural discussions, new vocabulary and grammar topics are introduced. All activities are created keeping in mind the use of French in an authentic environment.

FRENCH 3 Full-year course

Prerequisites: French 2 and signature of World Language Department chair

Students new to Stuart will be assessed for entrance into this level.

“Elémentaire, mon cher Watson!”

French is used at this level, both in the classroom and in the halls. More complex language structures, vocabulary enrichment, and listening and reading comprehension are developed at this level through selections from French literature, dialogues, periodicals, and appropriate Internet sites. For example, students read a mystery book and by the end of the year they write their own mystery chapter book. Unabridged literature is also introduced. We read short stories and novels such as *L’informateur*, *Maigret et le Clochard* by Simenon. Students watch films/videos that expose them to Francophone cultures, such as “Les Choristes” or “Papillon” (about the environment). Through collaborative interactive projects/tasks students take control of their learning. The teacher becomes a guide for students as they achieve their goals. Students practice finding appropriate resources used for learning. The use of technology is central to this process. Guiding critical questions, provided by the teacher, lead students to reach their goals for this course.

FRENCH 4 Full-year course

Prerequisites: French 3 and signature of World Language Department chair

“La vengeance est un plat qui se mange froid.” — Le Comte de Monte Cristo, A. Dumas

“Seul Dieu a le droit de me réveiller.” — Oscar et la Dame Rose, E.E. Schmitt

French is used exclusively at this level. The emphasis in this course is on the strengthening and completion of the foundation of basic grammar language patterns. Students confidently discuss topics in the language, such as environmental issues, politics, economics, sustainable living, and current affairs. Historical background and literature are integral to our program so that students have a deeper understanding of the language and the cultures of the countries. The exploration of French-speaking countries’ cultures throughout the world stimulates conversation and critical thinking to inspire students to make comparisons to their own realities. Students are introduced to the literary genres of Francophone works through novels, short stories, poetry, newspapers, magazine articles, appropriate Internet websites, and films. For example, students learn about French history while reading an abridged version of *Le Comte de Monte Cristo* by A. Dumas, read novels such as *Oscar et la Dame Rose* by E.E. Schmitt, and watch movies such as *Un Indien dans la Ville*. Creative and collaborative projects are encouraged and often designed by students with the guidance of the teacher. At the end of the year, the teacher decides with the student whether she is ready to go to AP or take Honors French first.

FRENCH 5 Full-year course

Prerequisite: French 4 and the signature of the World Language Department chair

Open to motivated students who have completed French 4 and who wish to enroll in an additional year in the language program. The class will be conducted in French. In this course, students learn new vocabulary, review structure, refine and polish their writing skills while strengthening their ability to closely read a text and think

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critically. Students learn how to sustain an extended conversation with multiple interlocutors in French. In order to accomplish these goals, the course uses authentic written texts, art and films that cover a wide range of topics.

ADVANCED PLACEMENT FRENCH LANGUAGE and CULTURES Full-year course

Prerequisites: a grade of A- or higher in French 5 or at the discretion of the teacher, and the signature of World Language Department chair. Course is the equivalent of a third-year college/university course.

“L’écriture a ceci de mystérieux qu’elle parle.” — Paul Claudel

World challenges, technology, contemporary life, individual identity, family/community, and aesthetics are the five central themes of the class (AP Exam themes). Students explore these themes through French literature such as *Tout Bouge Autour de Moi* by Dany Laferriere, *Art* by Yasmina Reza, *La grammaire est une chanson douce* by Erik Orsenna, and through media and movies. Emphasis is on the use of French for active communication. Students work towards proficiency through activities designed to improve their aural/oral skills, reading comprehension, grammar usage, critical thinking skills, informal and formal writing skills. Students are required to take the AP Exam.

SPANISH

SPANISH 1 Full-year course

No prerequisite

¡Aqui se habla español!

Students are introduced to Spanish language and Spanish speaking cultures in an interactive environment. The objective for our students is that they learn how to introduce themselves, ask questions, involve each other in conversations, and connect with all the cultures in the Hispanic world. Students use authentic materials as resources. Language structures and vocabulary are presented in context and modeled by teachers, peers, native speakers, and multimedia resources. Exposure to Hispanic cultures, literature, and the use of technology are provided at the appropriate level.

SPANISH 2 Full-year course

Prerequisites: Spanish 1 and signature of World Language Department chair

Students new to Stuart will be assessed for entrance into this level.

¡Sigue adelante!

Immersion in Spanish is required and we expect the proficiency of each student to improve by the end of the year. There is frequent collaboration where students work together to strengthen all skills. Students write, memorize, and perform dialogues which center around a theme featured in the lesson. Written tasks include: reflections, letter, short stories, and compositions. In cultural discussions, new vocabulary and important historical events of the country we are discussing are noted. Exposure to individual Spanish speaking cultures is done via authentic readings, newspapers, dialogues, and multimedia resources found on the Internet.

SPANISH 3 Full-year course

Prerequisites: Spanish 2 and signature of World Language Department chair

Students new to Stuart will be assessed for entrance into this level.

“El éxito llama al éxito.”

Spanish is used exclusively at this level, both in the classroom and in the halls. More complex language structures and vocabulary are introduced at this level through literature, news media, periodicals, and appropriate internet sites. Short stories are read with the goal of learning vocabulary and studying the realities of the cultures. Films serve as a visual introduction to current and relevant themes of the countries we study.

Through collaborative interactive projects and tasks, students take control of their learning. The teacher becomes a guide for students as they achieve their goals. Students practice finding appropriate resources used for learning. The use of technology is central to this process. Guiding critical questions, provided by the teacher, lead students to reach their goals for this course.

SPANISH 4 Full-year course

Prerequisites: Spanish 3 and signature of World Language Department Chair

“El que algo quiere, algo le cuesta”.

Spanish is used exclusively at this level. The emphasis in this course is on the strengthening and completion of the foundation of basic grammar language patterns. Students have opportunities for creative discussions centered around: the environment, politics, films, immigration, education, family, and women. The exploration of all Hispanic cultures inspires students to make comparisons to their own realities. Students use oral and critical thinking skills to discuss cultures. Analysis of authentic literature is further developed at this level and is an integral part of this course. Students are introduced to the literary genres of Hispanic works through short stories, poetry, newspaper, magazine articles, the internet, and films. Creative and collaborative projects are encouraged and often designed by students with the guidance of the teacher. At the end of the year, the teacher decides with the student whether she is ready to go to AP or take Honors Spanish first.

SPANISH 5 Full-year course

Prerequisite: Spanish 4 and the signature of the World Language Department Chair

Open to motivated students who have completed Spanish 4 and who wish to enroll in an additional year in the language program. The class will be conducted in Spanish. In this course, students learn new vocabulary, review structure, refine and polish their writing skills while strengthening their ability to closely read a text and think critically. Students learn how to sustain an extended conversation with multiple interlocutors in Spanish. In order to accomplish these goals, the course uses authentic written texts, art and films that cover a wide range of topics.

ADVANCED PLACEMENT SPANISH LANGUAGE and CULTURE Full-year course

Prerequisites: a grade of A- or higher in Spanish 5 or at the discretion of the teacher, and signature of World Language Department chair.

This course is the equivalent of a third-year college/university course.

“El que la sigue la consigue”.

Spanish is used for all written and oral communication. Students will work towards proficiency through activities designed to improve their aural/oral skills, reading comprehension, concentrating on the five central items of the AP Spanish Language Culture Exam. World issues and challenges, technology, contemporary life, individual identities, esthetics and beauty are a few of the themes students will

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explore through literature and the media. Authentic literature and other documents related to our themes are presented in their entirety. Students are required to take the AP exam.

LATIN

LATIN STUDIES Full-year course

Open to grades 9-12. No prerequisite.

“Carpe Diem.”

In this course, students are introduced to various readings in mythology, ancient history, and Roman life in a way that gives them the ability to easily comprehend Latin. Students’ knowledge of the classics will be expanded while structured exercises will clarify English as well as Latin grammar and vocabulary.

INTERMEDIATE LATIN Full-year Course

Prerequisites: Latin studies and the signature of World Language Department chair

“Veni, vidi, vici” This course is a continuation of Latin Studies, with special grammatical emphasis on the various uses of the subjunctive. The course also includes adapted readings from Livy, Caesar, Pliny, and Cicero. In the cultural component, students will delve into the Carthaginian dynasty and Hannibal’s conquests. *“Vox clamantis in deserto”*: Students will explore excerpts from the great Latin authors Asconius, Cicero, Pliny, Eutropius, and Petronius. Students are introduced to the dactylic hexameter. They also begin to read and translate Caesar’s *Gallic Wars*.

LATIN 4 HONORS/ADVANCED PLACEMENT: VERGIL and CAESAR Full-year course

Prerequisites: Latin Studies, Intermediate Latin, and signature of World Language Department chair

“Ne Credite Graecos dona ferentes.”

This course is the study of Vergil’s *Aeneid*, covered in the AP syllabus. Excerpts from books 1, 2, 4, and 6 are translated and analyzed in depth as literature. Caesar’s *Gallic Wars*, books 1,4,5, and 6 are also studied. Students will work towards the development of critical thinking skills, and acquire proficiency in the writing of essays. In addition, students will be exposed to various comprehension test items from other authors that make up the AP Exam. Students may either elect to take the Latin 4 course with AP designation or as an Honors course without AP credit. Students in the AP class are required to take the AP Exam.

THEOLOGY

Eight trimesters of Theology are required for graduation.

The Theology Department seeks to provide an intellectually critical and integrated approach to the study of religious faith as the foundation of daily living; a foundation that can be intellectually challenging as well as deeply spiritual and communal. As a person of faith and a member of a believing community, each student has the opportunity to explore all aspects of faith through critical theological analysis. Through this analysis each student can learn how faith can be integrated into daily life. In addition this reflection may help her in her own personal search for God.

FOUNDATIONS OF MORALITY Trimester course

Required for students in grade 9.

Adolescence is a time of questioning, searching, and testing boundaries. Morality class offers students a safe environment in which to explore fundamental questions of right and wrong. Through case studies and group discussion, students use elements of Catholic teaching to evaluate real issues facing teenagers today. Through the question "What kind of person do I want to be?" students work to determine what their own autonomous stance to the world will be as a woman of faith.

CHARACTERS AND THEMES OF THE BIBLE Trimester course

Required for students in grade 9.

This course will focus on salvation history through the study of major characters and themes. Students will learn the skills and techniques that are necessary for contemporary Biblical understanding and interpretation. Particular attention will be given to the Bible as the revelation of God's relationship with us. The course will also consider ways in which the Bible can enhance our lives.

WHO IS JESUS CHRIST? GOD'S LOVE MADE VISIBLE Trimester course

Required for all students in grade 10.

This course will focus on the mystery of God's love as it is made visible and accessible in Jesus Christ. Students will study the person of Jesus of Nazareth as he is introduced in Scriptures' and understood in the unfolding of the Church over time. The Christology of the Gospels will be explored along with the teachings of the great councils of the Church. Students will explore concepts such as Incarnation, Salvation, Paschal Mystery and what it means that Jesus is the living Word of God, the ultimate Revelation to us of God's love and God's plan.

THE CHURCH: CONTINUING THE MISSION OF JESUS Trimester course

Required for all students in grade 10.

This course will focus on the Church as the place and instrument of continuing encounter with Jesus Christ. Students will be introduced to the apostolic foundations of the Church and the place of the Holy Spirit in bonding together the followers of Jesus and continuing his mission. This brief introduction to ecclesiology will include a focus on certain historical aspects of the Church from the beginning to the present.

INTRODUCTION TO WORLD RELIGIONS Trimester course

Required for all students in grade 11.

Look at the front page of the newspapers and magazines on the newsstand and it is clear that our world is shaped and influenced by the various religions practiced throughout the world. As responsible members of the global community, we must inform ourselves to a meaningful understanding of major religious traditions. This course takes a thoughtful, respectful approach to learning about Hinduism, Buddhism, Judaism, Christianity, and Islam. The approach of this course is closely aligned with the Sacred Heart criterion, "The school fosters inter-religious acceptance and dialogue by educating to an understanding of and deep respect for the religions of the world."

SACRAMENTS: ENCOUNTERING THE SACRED THROUGH SYMBOL AND RITUAL Trimester course

Required for all students in grade 11.

In this course, students will explore how the sacred is encountered in ritual actions and sacred symbols. Through the study of sacramental theology, scriptural foundations, the historical development of the seven sacraments, and a close examination of the liturgical rites students will have an opportunity to reflect on the efficacy and transformative power of sacrament as well as the place of ritual and symbol in the continuation of the mission of Christ. Special emphasis will be placed on understanding Christ as the primordial sacrament and the Church as the sacrament of Christ. Topics such as grace, liturgy, prayer, worship, and sacred celebration will be highlighted.

ETHICAL ISSUES IN MODERN AGE Trimester course; offered first and second trimester

Required for all students in grade 12.

This course addresses selected ethical theories and issues in the areas of science, government, and business and the moral implication for individuals and society. Contemporary topics will be examined to help students recognize the moral dimensions of various issues. Throughout the course, the Christian perspective will be presented as a model of how religious beliefs and values form the foundation for our moral principles and their application. The course will move beyond the scope of personal morality, covered in Foundations of Morality, to a deeper study of cultural and global morality.

SOCIAL JUSTICE Trimester course; offered third trimester

Required for all students in grade 12.

This course studies national and global justice issues, focusing on the causes and consequences of many societal problems such as poverty, hunger, homelessness, and discrimination. The emphasis will be on in-depth exploration of these issues through research, reflection and discussion. To implement the Sacred Heart goal of "educating to a social awareness which impels to action," each senior will participate in a week-long community service internship with a non-profit agency at the end of the trimester.

PHYSICAL EDUCATION & HEALTH

Nine trimesters of Physical Education (including two trimesters of Health) are required for graduation.

We encourage all students to try out for our sports teams. Being a member of any of the sports teams helps build strong leadership and people skills. **Colleges and universities view team membership as showing dedication and commitment. Pre-season practices for fall sports teams help students meet other students and get acclimated to the Upper School.**

HEALTH I Trimester course

Required in grade 9.

This is a trimester course developed to promote behaviors that contribute to a healthy lifestyle and improved quality of life for all students. Health I is a preparation course for the challenges and decisions students will face in high school. Health I includes several units: CPR, First Aid, Human Sexuality, and Mental and Emotional Health. Students will participate in two American Red Cross courses: Adult, Infant, and Child CPR; and Community First Aid and Safety. During these units, students will work towards earning their Red Cross certification. Human Sexuality and Mental and Emotional Health are integrated, resulting in a unit that includes topics such as decision-making, effective communication skills, refusal skills, developing personal standards, self-esteem, setting limits, body image, self-control, the media's influences on our mental and emotional health, and stress management. Many of these life skills are emphasized when discussing alcohol and other drugs. The Sexuality unit also covers female and male reproductive systems, sexually transmitted infections, and an introduction to contraception with an emphasis on abstinence.

HEALTH II Trimester course

Required in grade 11.

This is a trimester course developed to promote behaviors that contribute to a healthy lifestyle and improved quality of life for all students. Health II is a preparation course for the challenges and decisions students will face towards the end of high school and throughout college. Health II focuses on life-long self-care and includes several mini-units: Personal Wellness (including Fitness, Nutrition, Personal Safety and Stress Management), Substance Abuse, Mental and Emotional Health, and Human Sexuality. The course builds upon previously studied topics from Health I and also introduces the following topics: fetal development, healthy pregnancy, breast self-examination, skin cancer awareness, healthy relationships, dating violence, and acquaintance rape. This unit allows students to explore and clarify their own attitudes and values on health and wellness. In addition, an emphasis is placed on life skills such as decision-making, problem solving, and communication.

PERSONAL FITNESS Trimester course

Open to grades 9-12. No prerequisite.

Each trimester long workout course will help students to maintain and/or improve the quality of their lives through fitness. Students will apply the knowledge learned to develop personal goals and fitness planning adapted to their lifestyles. Students will gain a general knowledge of human anatomy necessary for proper form in various exercise techniques and personal exercise styles. Students will work on the

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components of physical fitness — aerobic capacity (endurance), strength, and flexibility. In order to meet her personal goals, the student will work in the weight room, using weight lifting and cardiovascular equipment. Students are also encouraged to utilize outside fitness, use fitness videos, and partake in recreational activities. Required four times a cycle.

DANCE Third trimester

Open to grades 9 -12.

5 days per week, 3:15 – 5:30 PM

Dance will be offered for a Physical Education credit. Dance offers fitness with insight, sensitivity, creativity, individuality, artistry, and understanding about the body. The class will include ballet, modern, and jazz dance. Pilates and yoga will be included in the warm up session of this class. The class will culminate in a final production at the Upper School Sports Award banquet or an equivalent public performance.

INDEPENDENT PHYSICAL EDUCATION Trimester course

Open to grades 9-12. Prerequisite: review and acceptance of formal application

A student in an advanced or competitive level in an activity not offered at Stuart may pursue this activity independently. If the following conditions are met, the student may enter into a pass-fail contract for the activity and receive physical education credit. The conditions of this program must be met **in full** for a student to receive approval to participate and to receive credit:

1. Students must submit a request in writing to participate in independent physical education. This request should state what activity the student is interested in and why she is interested, as well as where and with whom she expects to participate. The forms for this request are available from the Physical Education Office.
2. The course must be a physical activity.
3. The course must be supervised by a coach/instructor at all times.
4. The instructor of the course must agree to the terms of the contract in writing.
5. The course must meet three or more times a week for a minimum of 460 minutes (8 hours per week)
6. The course must begin at the start of a trimester and conclude at the end of the trimester or continue through the second and even the third trimester.
7. Only one activity will be considered in a trimester – no combinations are permitted.
8. A student will enter into a contract for an independent physical education activity and the contract will be signed by the outside coach, the chair of the Physical Education Department, and the parent.
9. Contract and a timesheet of hours are to be turned in on a weekly basis.
10. Participants must sign the athletic contract and all rules apply.

STUART SPORTS POLICY

Participation in a sports team fulfills the physical education requirement for that trimester. Stuart's interscholastic athletic program develops strong women athletes who are physically, mentally, and

emotionally prepared to contribute to their team and to society. Experienced and dedicated coaches expect and model commitment to the team, cooperation in an atmosphere of mutual respect, and exceptional levels of sportsmanship. Our athletic program provides girls with vital lessons in leadership, cooperation, teamwork, safety, and sportsmanship, enhancing the overall academic experience and teaching critical life skills.

Students must realize that when they participate in a team sport, they are representing their school. If a varsity or junior varsity player violates school rules in connection with her sport, whether at home or away, she will face action by either the Judiciary or the Disciplinary Committee. Possible penalties include forfeiting participation in a given number of games, suspension from the team, and loss of sports awards and recognition as a team member. Students may also be disqualified from fulfilling their physical education requirement in that trimester, as well as other penalties, which may be imposed through the school disciplinary process.

TENNIS – First Trimester
FIELD HOCKEY – First Trimester
CROSS COUNTRY – First Trimester
VOLLEYBALL – First Trimester
BASKETBALL – Second Trimester
INDOOR TRACK-Second Trimester
SQUASH – Second Trimester
SWIMMING – Second Trimester
LACROSSE – Third Trimester
TRACK & FIELD – Third Trimester
GOLF – Third Trimester
DANCE-Third Trimester

TEAM SPORTS POLICY

All team sports require students to try out for a place on the team and, if they make the team, to attend all practices, team sessions, and games during the season. Team participation will require about two (2) hours each day. There will be Saturday games, practices, and weekend trips. Stuart normally hosts visiting teams on overnight trips, and the girls are encouraged to be hosts. Team members must plan to attend any practices held during Stuart vacations, such as fall sports preseason practices two (2) weeks before the first day of school, basketball practices during the Thanksgiving and Christmas breaks, and lacrosse and track & field practices during spring vacation. If a student decides not to attend preseason, she will automatically be placed on the junior varsity team in her particular sport. Seniors are ineligible to participate on Junior Varsity teams. Under extenuating circumstances, the Athletic Director and Head of Upper School would allow a student to fulfill her requirement on a Junior Varsity level team her Senior year.

A student who is too ill to attend academic classes is assumed to be too ill to participate in team sports that same day. A student who is in school must be at practice.

PROCEDURES FOR PARTICIPATING IN TEAM SPORTS

If Stuart Upper School students try out for and make an athletic team, they may use the team practices and games to fulfill the physical education requirement . Coaches will select team members based on their performance at practices from the beginning of the season. Individual coaches will make these judgments in accordance with their own methods of coaching and the needs of the team. Coaches have the option of making changes in teams throughout the season.

Team members are expected to know and live up to the requirements for the athletic program as detailed in the Student and Parent Handbook and Athletic contract, which is available on the Upper School Information Page. Failure to live up to the terms of the contract may result in a failing grade.

A student who is cut, dismissed from, or voluntarily drops a team is ineligible to participate in any other sport during that season unless she is given prior approval by the athletic director and/or the Head of Upper School. A student must fill out an add/drop slip to make this change. Coaches will notify the Head of Upper School when this happens. Extraordinary circumstances will be judged on an individual basis. A student should note that the team is considered her class; all rules pertaining to class attendance and tardiness apply.

New Jersey State Interscholastic Athletic Association requires that students attend a minimum of six (6) practice days prior to participating in an official school game or scrimmage. Preseason (summer) for fall sports and vacation (Thanksgiving and Christmas or Spring Break) practices are especially important in preparing a player physically and emotionally for competition as part of a team; these elements of the team experience would be difficult to make up.

Any students trying out for a team sport must have a yearly physical examination, baseline concussion test, and an emergency medical release form. No student will be permitted to practice or play if she does not have these forms prior to participation. Physical examination forms can be found on the Stuart website under Athletics.

NATIONAL CENTER FOR GIRLS' LEADERSHIP AT STUART – LEADERSHIP COURSES

Expansion of the leadership programs at Stuart has been made possible by the Harris B. Siegel Fund for Student Leadership, established by Patricia Costante and Stephanie Champi '12. Their generous gift was given to Stuart in gratitude for Mr. Siegel, a long-time director of college counseling.

PUBLIC SPEAKING Second and third trimesters *L

Open to grades 9 -12

This course explores all aspects of public speaking including informational, persuasive, entertainment speech, and debate. This class will culminate in a formal debate using controversial and relevant issues.

APPLIED LEADERSHIP Third trimester *L

Open to grades 9 -12

Applied Leadership is a hands-on course designed to stretch students beyond their comfort zone while exploring how their leadership style impacts others. Through activities, talks, research, projects, and reflection the students will hone the characteristics they have and develop new ones as they apply their ideas and thoughts about leadership to each lesson. Students will learn the practical skills of goal setting and resume building. They will also have the opportunity to apply for an internship.

LEADERSHIP STYLES AND PERSONAL LEADERSHIP DEVELOPMENT First trimester *L

Open to grades 9 – 12

Leadership and Personal Development is designed to explore the foundation of individual social identity, the connection of the human spirit, and the collaboration needed to work for a greater purpose. Each student will be stretched beyond her comfort zone to better understand who she is in a larger context. The students will learn both the tangible and intangible skills necessary to lead their personal and professional lives with passion, mindfulness, empathy, and courage.

FINAL THESIS PRESENTATION Second trimester *L

Open to grade 12 only

In preparation for the final thesis presentation, seniors in the Leadership Endorsement will have time set aside in their schedule to complete the research, writing, reflecting and set-up needs for their presentation. Seniors in the Leadership Endorsement will submit a proposal for their final thesis and have a trimester to prepare for their presentation.

SPECIAL PROGRAMS

COLLEGE GUIDANCE

Junior Year centers on the transition to college as an opportunity for self-development and reflection. We encourage students to use their critical thinking, investigative, and research skills to look beyond the hype and marketing of the college process to identify for themselves the colleges and universities that will best serve their needs, ambitions, and future goals.

The college process begins formally for students at the beginning of the second trimester of the junior year with a Junior College Night for both students and their parents/guardians. In January, all juniors start meeting once a cycle in classes of 12-15 students with the director of college counseling. Topics covered in this class include:

- Personal assessments and inventories
- College research and putting together a list
- The ins and outs of campus visits and how to make the most of them
- College interviews – what to expect and how to prepare for them
- Activity sheets and resumes – what to include and how to format one
- Teacher recommendations and how to ask for them
- The world of standardized testing
- Brainstorming essay topics
- Financial aid and scholarships
- Parents in the process – How to work effectively with them
- The college selection process - what do colleges look for and why?

Senior Year focuses on a calm and consistent approach to the application process. On the day before the 1st day of school, seniors attend a required day long College Boot Camp where the college counselor and teachers continue to meet individually with seniors to take stock, review summer activities, finalize their college list, and provide lots of feedback on their essays. Additionally, throughout the beginning of the year, each senior meets as often as needed with the college counselor to ensure that she is comfortable and confident with her college choices, applications, and overall strategy.

PEER LEADERSHIP Full-year course *L

Open to grade 12. Prerequisites: application, interview and selection.

This course emphasizes the development of leadership, problem-solving and communication skills, group dynamics, and informed decision-making. Any student who wishes to apply to be a peer leader should sign up for the course on her course description sheet at course registration time. All students registering for this course must list an alternative. Students applying should be aware that, depending upon specific loads, taking Peer Leadership may cause scheduling difficulties. In the winter, juniors who wish to be considered will complete an interview process that includes an application form and a group problem-solving interview.

This course will meet four times a cycle in all three trimesters. During these class periods, students will meet in class with two faculty co-advisors and receive training in leadership, problem-solving and communication skills, group dynamics, and informed decision making. In addition to the class periods, senior peer leaders will work in pairs and co-lead discussions with small groups of freshman at least once a cycle. During second and third trimesters, time will be spent interviewing applicants, and considering and selecting the peer leaders for the following year.

SACRED HEART EXCHANGE PROGRAMS

Sacred Heart exchange is an important feature of the Upper School curriculum. The program is facilitated by the Sacred Heart Network, which includes a community of schools throughout the world. Exchanges are opportunities for students to broaden their horizon academically, socially, and culturally by sharing the life of other Sacred Heart students in other parts of the country or world. Students follow regular classes, as in their home school, and may be involved in special programs or activities. They may live as a resident student in boarding schools or with host families whose children attend the school.

SHAEP (Sacred Heart Academic Exchange Program)

Open to students in grade 10. No prerequisite.

At Stuart, we believe that exchange programs have life-changing potential. To further our commitment to building personal growth in an atmosphere of wise freedom and to advance the global Sacred Heart mission, Stuart faculty have designed the Sacred Heart Academic Exchange Program (SHAEP) as part of the grade 10 curriculum. SHAEP is a unique academic immersion program. Stuart sophomores will attend classes for two weeks at other schools in the Sacred Heart Network, either in the United States or abroad. They will live with another Sacred Heart family or board at a Sacred Heart boarding school and have the opportunity to host a visiting Sacred Heart exchange student from the other school. Since it is a reciprocal exchange, costs are minimal. We hope that this program inspires students to become increasingly active, informed, and responsible members of our international community.

EXCHANGE PROGRAM

Open to grades 9 -12. No prerequisite.

Upper School students from any grade have the opportunity to attend another Sacred Heart school, nationally or abroad, for a few weeks, a semester or a full year. Interested students need to apply to the program, and the Stuart exchange coordinator will help find a host school.

ADDITIONAL OPPORTUNITIES

PRINCETON UNIVERSITY

Qualified students are permitted to enroll in certain Princeton University courses. Students must be recommended by the department chair and consult the director of college counseling. Any student wishing to take a Princeton University course must meet with the Head of the Upper School during course registration.

SENIOR INDEPENDENT STUDY PROJECT Third trimester

Open to grade 12.

The Senior Independent Study Program provides an opportunity for the student to explore some particular interest in depth during the third trimester. This may involve a full-time or part-time commitment, such as participating in a work-study program, serving as an intern, or researching and writing an in-depth paper. The project proposal must be submitted to the Head of the Upper School by the end of the first trimester. Proposals are reviewed by a faculty-administration committee. Upon approval of the proposal and selection of a faculty sponsor, the student is required to meet on a regular basis with her faculty sponsor and submit written progress reports. At the end of the third trimester, a report and an evaluation of the project are submitted by the student and her advisor, and the student may make a presentation to the entire Upper School. Independent projects will be graded as pass/fail.

INDEPENDENT STEM RESEARCH PROJECT Trimester course

Open to grades 11 – 12. Prerequisite: Admission in the STEM Endorsement

One credit

This trimester course is all yours! You do the research and plan and design the experiment. You will present your findings to a panel of educators and students at the end of the term. Project development, supervision, and input from your instructors/mentors will be provided. For acceptance into this course, students will need to submit a proposal for their independent work. The project proposal will consist of learning objectives, problem(s) to be investigated, activities to meet objectives, and a statement that defines the output. The proposal is due to the STEM Endorsement Coordinator by May 15, 2018.

SERVICE LEARNING

The following information is for students in the graduating classes of 2019, 2020, and 2021. Community service requirements will change slightly beginning with the Class of 2020. New information will be published for the Class of 2022 at the beginning of their freshman year.

The Upper School Service Learning Program has the following objectives:

- (i) To help students become aware of the different needs of the wider community and to respond actively to those needs with their gifts.
- (ii) To provide education in and opportunity for decision-making in light of the Sacred Heart Goals and Criteria.
- (iii) To provide experiential education which includes elements of reflection, analysis, and synthesis.
- (iv) To enable each member of the school community to be engaged in effective action for social change.
- (v) To provide experiences of diversity which develop an understanding and appreciation of all people.
- (vi) To develop the self-confidence of students as they learn to deal realistically with their gifts and limitations.

All community service hours will fall into one of three categories:

Community Hours: service specifically giving back to the Stuart community

Center Hours: service to a non-profit organization other than Stuart, supporting back-end operations (data base, filing, organizing events, etc.)

Heart Hours: one-on-one direct service, developing relationships with individuals. Most hours should be heart hours.

In grades 9-11, each student fulfills 50 hours of service per year. A portion of these hours must be completed according to the guidelines below. Additional hours may be fulfilled through participation in other service activities. Summer service work is strongly recommended and may fulfill all of the requirements for the upcoming year.

In grade 12, students participate in the Senior FaithJustice Xperience, a week-long service experience hosted at the Center for FaithJustice.

All student placements must be pre-approved by the community service coordinator.

Each student receives a "pass" or "fail" grade on her report card at the end of the year, depending upon completion of service requirements. If a student receives a "fail" for the year, the hours must still be completed, as they are a requirement for graduation. The failing grade will remain on a student's transcript.

Grade 9 – This is an orientation year in which students will discuss various components of service and become familiar with the interpersonal dynamics of the service experience. In the ninth grade students are required to complete "Heart Hours," which are a minimum of ten hours working with children. Students may work in the Lower School assisting the teachers once or twice per cycle, or work in the

Stuart Country Day School of the Sacred Heart

After School Program one day per week. Students will also be encouraged to work in Stuart's summer camp programs before their freshman year.

Grade 10 – Students will focus on working with the elderly to develop intergenerational relationships. Tenth grade students are required to complete "Heart Hours," which are a minimum of ten hours of service with the elderly. Students will be responsible for choosing their own placement(s) throughout the year with an accredited agency in their local community.

Grade 11 - Students are required to complete "Heart Hours," which are a minimum of 25 hours with a non-profit agency (other than Stuart) of their choice. This enables the students to maintain consistent contact with a particular agency and to develop relationships with the people who they are serving. Students will be encouraged to participate in the Appalachia Service Project or the Urban Challenge programs before their junior year.

Grade 12 – Students will enroll in a third trimester religion course titled, "Faith and Social Justice." At the end of the trimester, seniors will participate in a week-long community service experience entitled FaithJustice Xperience, manifesting one important aspect of Stuart's stated mission: "A social awareness which impels to action." Seniors are still encouraged to complete additional community service throughout the year, though it will not officially count towards their year-end service experience.