

## **Sr. High at HIS**

The curriculum at HIS is a three-year rotation of humanities content that extends to the arts, the sciences, math and physical education. Students entering 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade in the 2010-2011 school year will use World History and Literature as the focus for the year, then move to European in 2011-2012 and then to the United States in 2012-2013.

Classes are taught as multi-age classes with most having a mixture of 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students in each class. Within the classes students can opt to take the course at a general or standard level, or to challenge themselves by taking the course at an honors level or an AP level. AP level work is generally most appropriate for 11<sup>th</sup> and 12<sup>th</sup> grade students.

### **AP Note**

Available courses include English Literature and Composition, World History, Japanese, Calculus, Chemistry, and Studio Art. If there is another AP course you are interested in, please feel free to discuss this with Mr. Ratzliff.

## *Course Descriptions 10th- 12th grade 2009-2010*

### ***HUMANITIES***

#### **High School History- World (with AP option)**

In World History you will develop a greater understanding of the evolution of global processes and contacts including interactions over time. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Class format will be small and large group discussions, in class learning activities, on-line activities and written responses to historical questions and issues. Additionally students will write a research paper during the third quarter allowing them to hone their research skills, MLA understanding and written communication.

It can be taken, at teacher discretion, at a Developing, Standard, Honors or AP level. AP participants will prepare for the AP US History exam in May.

[http://www.collegeboard.com/student/testing/ap/sub\\_worldhist.html?worldhist](http://www.collegeboard.com/student/testing/ap/sub_worldhist.html?worldhist) (required core course)

#### **High School English - American (US) Literature (with AP option)**

Senior high world literature is a one year survey of influential classic and contemporary literary works and movements from around the globe. Aside from literary analysis, the writing focus for this year will be comparison/contrast and persuasion/argument. This class is aligned with senior high world history. Honors and AP options providing more rigorous and intense courses of study are available.

Book list highlights include Siddhartha, Nectar in a Sieve, The House of Spirits and Things Fall Apart.

[http://www.collegeboard.com/student/testing/ap/sub\\_englit.html?englit](http://www.collegeboard.com/student/testing/ap/sub_englit.html?englit) (required core course)

### ***SCIENCE***

#### **Biology**

This course takes an in-depth look at the profound observations and theories of modern biology. Students will develop the knowledge and techniques that will enable them to critically think about living systems. Entwined in the curriculum is an emphasis on how knowledge of cell dynamics, genetics, plant and animal physiology, and evolution can benefit one's life and lead to better courses of action.

## **AP Chemistry**

Students of this course develop a thorough understanding of the concepts and processes of general chemistry. A student's analytical skills are strengthened and tested daily through problem-solving experiences and complex laboratory work. Completion of this course provides solid preparation for the Advance Placement Chemistry Exam.

[http://www.collegeboard.com/student/testing/ap/sub\\_chem.html?chem](http://www.collegeboard.com/student/testing/ap/sub_chem.html?chem)

Student must earn a B or better in Chemistry, or permission of the instructor, to enroll in AP Chemistry.

## **MATH**

### **Algebra I**

The main thrust of this course is the solving, graphing, and writing of linear equations, inequalities, and systems. Students will master skills dealing with expressions, real number properties, exponents and exponential functions. They will be introduced to quadratic equations and functions, polynomials and factoring, radicals with geometric connections, and rational equations and functions. (two years high school math required for graduation)

### **Geometry**

This course is a detailed study of points, lines, planes, and solids. Students examine properties and prove relationships using points, lines, planes, and solids. They examine mathematical and geometrical reasoning and proofs. They should master topics dealing with parallel lines, congruence, similarity, right triangles, circles, and areas and volumes of polygons and solids. The use of transformations and coordinates in geometry is introduced. (two years high school math required for graduation)

### **Algebra II**

Algebra II begins with a review of linear equations and an introduction to matrices and determinants. This course then requires the student to master skills dealing with quadratic equations, parabolas, powers, roots, radicals, exponential and logarithmic functions, polynomial functions, rational functions, quadratic relations, sequences and series. It ends with an introduction to trigonometry probability and statistics. Algebra I is a prerequisite. **\*\*\*\*(completion of Algebra II with a 'C' or better is required for graduation)\*\*\*\*** (not offered 2010-2011; can be taken online)

### **Pre-Calculus & Trigonometry**

This course builds on the knowledge obtained in Algebra II. It includes a study of functions, graphs, applications of functions and graphs, trigonometry, discrete mathematics, data analysis, limits, and an introduction to calculus. Mastery of Algebra II is a prerequisite. (two years high school

math required for graduation)

### **AP Calculus**

Calculus begins with a review of functions and limits. Extensive time is then spent on differentiation and integration, learning many techniques to deal with different types of functions. Mastery of Precalculus is a prerequisite. This course also prepares students to take the AP Calculus AB exam in May.

[http://www.collegeboard.com/student/testing/ap/sub\\_calab.html?calc](http://www.collegeboard.com/student/testing/ap/sub_calab.html?calc)

ab (two years high school math required for graduation)

## ***PHYSICAL EDUCATION***

### **High School PE**

Physical Education at HIS is concerned with the development of all aspects of the individual: physical, social, mental and emotional. PE at HIS promotes:

- \* ways to achieve and uphold a healthy balanced lifestyle
- \* an opportunity to participate in a range of sports, games and fun activities
- \* application of advanced movement concepts
- \* opportunity to promote a healthy, active lifestyle to others
- \* appropriate health education topics
- \* positive social relationships in group and team settings
- \* responsible personal and social behaviors.

Many (if not all) values, attitudes and skills learned here are transferable to other areas of students' lives and lifelong learning. Evaluation is based on a student's effort, participation, fitness, sports skills and knowledge, determination to improve, and interpersonal skills. (two years required for graduation).

## ***ARTS***

### **Secondary Choir**

**"The Kitara Concert was one of most awesome experience in my high school life"** by a HIS graduate.

**Prerequisite:** A student should be able to sing relatively in good pitch.

Our main goal is performing. Any student who loves music is welcome to join this course, but please remember that a success of a choir will not come easily without your hard work. Since the choir requires a group work just like playing basketball or baseball, it is very essential that students are willing to work hard for the excellence of our organization. Therefore it will be not enough merely to SAY that you are interested in the group's success; you must demonstrate by your actions that you are dedicated to the goal. And if

you are strongly motivated, we guarantee you that you will have a wonderful experience in your school life at HIS. The course will cover basic vocal skills, music theory, singing various styles of songs and music history. We will especially work with world music this year as we integrate with the junior and senior high classes. Please note that there will be extra rehearsals before concerts and students are asked to attend these rehearsals. (Two years of arts are required for graduation)

### **Studio Art**

This course will enable the student to explore a number of techniques and skills required for producing art works of quality in drawing, painting, printmaking, design, and sculpture. Emphasis will be placed on enhancing creativity through problem solving and proper demonstration of methods and techniques. Art history focusing on world art, art criticism, and aesthetics will be included. Portfolio development will be stressed. (Two years of arts are required for graduation)

### **AP Visual Arts Studio (offered as part of Art Studio)**

Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students, this course explores ideas and the resulting artwork of historical periods as it relates the student's personal studio body of work. Students will describe, analyze, and criticize artwork and explore the interdependency of art and one's environment.

Class activities stress independent thought and productivity. The student will produce research that demonstrates an independent, exploratory and integrated approach expressed both visually and in writing.

20+ studio pieces will be produced with this process culminating in the AP exam portfolio. The studio component will include: purposeful exploration, meaning and function, formal qualities, technical and media skills, growth and commitment demonstrated in personal, artistic expression. The Research Workbook (RWB) will show a methodical, critical examination of meaning in visual images to include analysis of aesthetic issues.

[http://www.collegeboard.com/student/testing/ap/sub\\_studioart.html?](http://www.collegeboard.com/student/testing/ap/sub_studioart.html?studioart)

[studioart](http://www.collegeboard.com/student/testing/ap/sub_studioart.html?studioart) (Two years of arts are required for graduation)

### **High School Drama**

Welcome to the theatre! This new elective will begin with the elementary concepts of acting, where students will learn to speak, act and react on stage and it will culminate with a presentation that is directed, produced, and performed by all class members. Participation will be expected in lighting, make-up, costumes, stage sets as well as acting criteria for particular theatre styles as well as eras. Plays and scenes will be drawn from world sources to allow for integration with other classes.

Students will participate in various projects throughout the year with

the goal of competency in written and oral communication using a variety of artistic and technological forms including individual writing assignments, collaborative assignments, technical contributions, and oral and dramatic presentations. This is an arts elective course aligned with world survey. (Two years of arts are required for graduation)

### **Musical Theater**

This course will be a performance based course focusing on the wonderful world of musicals and musical theater. You will explore and perform musicals that connect to the world survey theme and learn the vital role that support staff play in creating a production. (Two years of arts are required for graduation)

## **LANGUAGE**

### **Japanese for Proficient Speakers with AP option**

Japanese for Proficient Language Speakers (JPLS) is designed for students that are capable of freely communicating orally in Japanese. All students enrolled in this course must be fluent, or near fluent, in spoken Japanese. The aim of JPLS is develop student mastery of speaking, writing, and reading Japanese. Additional focus is on Japanese history and culture. Extensive use of Authorized Japanese textbooks and NHK programs enhance instruction.

Beginning, intermediate, and advanced level JPLS are all offered at HIS; These levels are interactively taught in mixed-level classes. Prerequisite for the course is passing a fluency test administered by the instructor. Those who are in the upper intermediate level and above have an option to take the AP Japanese course to prepare for the AP exam.

[http://www.collegeboard.com/student/testing/ap/sub\\_japaneselang.html?japaneselang](http://www.collegeboard.com/student/testing/ap/sub_japaneselang.html?japaneselang)

Pre-AP content will be incorporated in the regular language instruction for students who wish to take the AP course but haven't yet reached such level, so that they can make a smooth transition when joining the course. (Two years of language are required for graduation)

### **Japanese for Non-Native Speakers High-School courses**

Japanese for Non-Native Speakers is a multi-leveled course in which students learn Japanese according to their own proficiency levels, from beginning, to intermediate, to advanced. Students are expected to learn and improve four languages skills: speaking, listening, reading, and writing, through communicative practices. Students learn the cultural aspects of Japanese as well. (Two years of language are required for graduation)

### **Spanish**

This course will incorporate culture as well as language study in order to give Spanish context and meaning. Study, accented with music, videos, history, art will aim at acquiring practical Spanish that you might encounter in your travels, as well as that which you'll find in a university setting. Conversational phrases, grammatical structure, and lots of cultural context will make up the bulk of the course. (Two years of language are required for graduation)

### **English Language Learners**

This class continues to support students learning the English language in the secondary within their regular classrooms as well as in the ELL classroom. Vocabulary, usage, grammar in both spoken and written English will be the accent. Coursework will often stem from students' work in their other secondary classes. (Two years of language are required for graduation)

## ***OPTIONS***

### **Community Service**

Open to 11<sup>th</sup> & 12<sup>th</sup> grade students, community service requires a commitment to assist outside of the school community. This class is ungraded but one EIR credit for a full year of service can be earned.

### **Teacher's Aide**

Open to 11<sup>th</sup> & 12<sup>th</sup> grade students, being a teacher's aide requires a commitment to assist a teacher either in elementary or secondary during or after school. In order to register for being a teacher's aide, please mark the appropriate line.

### **Study Hall**

Open to students 11<sup>th</sup> and 12<sup>th</sup> grade. Must be approved by the secondary coordinator.

Sophomore (10<sup>th</sup> grade) Registration

Name \_\_\_\_\_

You will be registered for World Literature and World History, Biology and the math section that has been determined by the math department. Please indicate which language course you wish to take.

Japanese \_\_\_\_\_

Spanish \_\_\_\_\_

ELL \_\_\_\_\_

As a sophomore you must enroll in eight courses. Please prioritize your choices: 1 as the top choice, 5 as the least objectionable alternative.

PE \_\_\_\_\_

Visual Art \_\_\_\_\_

Choir \_\_\_\_\_

Drama \_\_\_\_\_

Musical Theater \_\_\_\_\_

I am interested in Newspaper fifth block \_\_\_\_\_

I am interested in Yearbook fifth block \_\_\_\_\_

This page is due on Monday May 31, 2010

## Junior (11<sup>th</sup> grade) Registration

Name \_\_\_\_\_

You will be registered for World Literature and World History, Biology and the math section that has been determined by the math department. Please indicate which language course you wish to take.

Japanese \_\_\_\_\_

Spanish \_\_\_\_\_

ELL \_\_\_\_\_

As a junior you must enroll in seven courses. Please prioritize your top four choices: 1 as the top choice, 4 as the least objectionable alternative.

PE \_\_\_\_\_

Visual Art \_\_\_\_\_

Choir \_\_\_\_\_

Drama \_\_\_\_\_

Musical Theater \_\_\_\_\_

AP Chemistry \_\_\_\_\_

I wish to participate in community service \_\_\_\_\_

I wish to be a teacher's aide \_\_\_\_\_

I wish to take a study hall \_\_\_\_\_

I am interested in Newspaper fifth block \_\_\_\_\_

I am interested in Yearbook fifth block \_\_\_\_\_

This page is due on Monday May 31, 2010

Senior (12<sup>th</sup> grade) Registration

Name\_\_\_\_\_

You will be registered for World Literature and World History.

As a senior you must enroll in seven courses. Please prioritize your top six choices: 1 as the top choice, 6 as the least objectionable alternative. Please note with a 'G' any class that you MUST have for graduation.

PE\_\_\_\_\_

Studio Art\_\_\_\_\_

Art elective\_\_\_\_\_

Choir\_\_\_\_\_

Drama\_\_\_\_\_

Musical Theater\_\_\_\_\_

Biology\_\_\_\_\_

AP Chemistry\_\_\_\_\_

Math\_\_\_\_\_

Language (mark one ONLY if you wish to take a language)

Japanese\_\_\_\_\_

Spanish\_\_\_\_\_

ELL\_\_\_\_\_

I wish to participate in community service \_\_\_\_\_

I wish to be a teacher's aide\_\_\_\_\_

I wish to take a study hall \_\_\_\_\_

I am interested in Newspaper fifth block \_\_\_\_\_

I am interested in Yearbook fifth block \_\_\_\_\_

This page is due on Monday May 31, 2010

## **Class of 2011 Graduation checklist**

- 3 years English\_\_\_\_\_
- 3 years Social Studies\_\_\_\_\_
- 2 years Math\_\_\_\_\_
- 2 years Science\_\_\_\_\_
- 2 years Language\_\_\_\_\_
- 1 year Arts\_\_\_\_\_
- 1 year Physical education\_\_\_\_\_
- 6 credits other courses\_\_\_\_\_
- 6 EIR credits \_\_\_\_\_

### **Outdoor Leadership**

- 1 year student leader \_\_\_\_\_  
(student council, captain sports team, leader of club)
- 1 Speaking credit\_\_\_\_\_
- 1 Leadership training\_\_\_\_\_  
(Summer program, Training at HIS)
- 12 Outdoor trips\_\_\_\_\_  
(5 different pursuits, 2 during winter)
- 1 Outdoor leadership\_\_\_\_\_  
(Lead AdHOC overnight trip)
- 1 Senior reflection\_\_\_\_\_  
(consult Mr. Piazza for format and advisor assignment)

## **Class of 2012 Graduation checklist**

- 3 years English\_\_\_\_\_
- 3 years Social Studies\_\_\_\_\_
- 2 years Math\_\_\_\_\_
- Algebra 2 completion strongly recommended \_\_\_\_\_
- 2 years Science\_\_\_\_\_
- 2 years same Language \_\_\_\_\_
- 1 year Art/Music/Drama\_\_\_\_\_
- 1 year Physical education\_\_\_\_\_
- 6 credits other courses\_\_\_\_\_
- 1 additional Art/Music/Drama recommended\_\_\_\_\_
- 1 additional PE recommended\_\_\_\_\_
- 6 EIR credits \_\_\_\_\_

### **Outdoor Leadership**

- 1 year student leader \_\_\_\_\_
- (student council, captain sports team, leader of club)
- 1 Speaking credit\_\_\_\_\_
- 1 Leadership training\_\_\_\_\_
- (Summer program, Training at HIS)
- 12 Outdoor trips\_\_\_\_\_
- (5 different pursuits, 2 during winter)
- 1 Outdoor leadership\_\_\_\_\_
- (Lead AdHOC overnight trip)
- 1 Senior reflection\_\_\_\_\_
- (consult Mr. Piazza for format and advisor assignment)

## **Class of 2013 and after Graduation checklist**

- 3 years English\_\_\_\_\_
- 3 years Social Studies\_\_\_\_\_
- 2 years Math\_\_\_\_\_
- Algebra 2 completed\_\_\_\_\_
- 2 years Science\_\_\_\_\_
- 2 years same Language \_\_\_\_\_
- 2 year Art/Music/Drama\_\_\_\_\_
- 2 year Physical education\_\_\_\_\_
- 4 credits other courses\_\_\_\_\_
- 6 EIR credits \_\_\_\_\_

### **Outdoor Leadership**

- 1 year student leader \_\_\_\_\_
- (student council, captain sports team, leader of club)
- 1 Speaking credit\_\_\_\_\_
- 1 Leadership training\_\_\_\_\_
- (Summer program, Training at HIS)
- 12 Outdoor trips\_\_\_\_\_
- (5 different pursuits, 2 during winter)
- 1 Outdoor leadership\_\_\_\_\_
- (Lead AdHOC overnight trip)
- 1 Senior reflection\_\_\_\_\_
- (consult Mr. Piazza for format and advisor assignment)