

# SECONDARY COURSE CATALOG

*2018-2019*



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# Introduction

The mission of Wuhan Yangtze International School (WYIS) is to educate the whole child socially, spiritually, intellectually, physically, and emotionally to become a dynamic individual of truth and excellence who positively contributes to society.

WYIS is fully accredited by AdvancED®. WYIS is a member of the International Schools Consortium (ISC) – a network that, for over 30 years, has offered academically excellent programs to meet the intellectual, physical, and emotional needs of students. ISC serves more than 1,500 students, most of whom are the children of foreign nationals and expatriates working for companies in China. The schools of ISC offer American-based curriculums and college preparatory systems of instruction.

Because ISC operates as a multi-school network, students and teachers are able to participate in system-wide programs in which they can interact with others outside their immediate school context on a regular basis. The extra-curricular programming offered by ISC includes volleyball, basketball, and soccer tournaments; a fine arts festival; a regional science fair; Model United Nations (MUN) conferences; a student council leadership retreat; national and international student service trips; and a senior departure seminar. ISC teachers participate together in an annual educational conference to share best practices with colleagues from across China. The opportunity to be part of this larger, inter-connected community is just one of the many ways in which the WYIS experience is uniquely rewarding.

This course catalog is designed to provide an overview of the secondary courses offered at WYIS this school year as well as an overview of student services offered to support students' academic success.

- **The Middle School Program** begins in sixth grade (ages 11-12). All students in the sixth, seventh, and eighth grades take courses in Mathematics, Science, Social Studies, English, Chinese Language, Religious Studies & Ethics, Visual & Performing Arts, Health, and Physical Education.
- **The High School Program** begins in ninth grade (ages 14-15) and is administered according to a semester credit system. Twenty-four high school credits are required for graduation. High school courses are valued at 0.5 credit per semester; one-semester courses will receive 0.5 credit, and yearlong courses will receive 1.0 credit.

# A Standards-Based Learning Environment

Wuhan Yangtze International School is committed to educating each student socially, spiritually, intellectually, physically, and emotionally. In order to know if the school is achieving its mission of successfully educating our students in this way, we have committed to creating a standards-based learning environment throughout all levels of the school. A standards-based learning environment is a learning environment that makes learning targets clear to students, teachers, and parents and ensures that teachers can accurately track each individual student's progress towards these learning targets.

At WYIS, each subject that we teach has as its foundation a set of standards that outline clearly what students should know and be able to do at each level—from the ECC grades all the way to Grade 12. All assessments, assignments, and instruction throughout the school are created to ensure that each student is progressing towards mastery of these learning standards. In this way, the school as a whole is able to keep track of the learning progress of every student in every classroom and respond well to individual student learning needs.

## Student Services

The WYIS Student Services department aspires to achieve an exemplary level of innovative and student-centered programs, services, and facilities in support of a growing and diverse international population. These efforts aim to realize the goal of nurturing dynamic individuals of truth and excellence who positively contribute to society. Student Services provides the WYIS community with programs and services, in support of the academic mission, that assist and empower students to achieve their highest educational potential. Student Services works closely with students, faculty, parents, and the community to create a healthy and inclusive educational environment that is conducive to the holistic growth and development of students. Student Services promotes excellence through collaborative services, striving to be responsive, caring and personal. This commitment to students initiates prior to entrance and sustains through matriculation.

Student Services at WYIS encompasses the following:

- Academic Support Services (*for a diversity of academic student needs*)
- Student Counseling Services (*as an academic support*)
- College & Career Preparation
- Nursing Services & First Aid Staff Training

# High School Graduation Credit Requirements

Subject	Credits Required for Graduation †
English – Language Arts	4
Science	3
Social Studies	3
Mathematics	3
Foreign Language*	2
Physical Education & Health	2
Visual & Performing Arts	1
Religious Studies & Ethics	0.5 credit per semester enrolled
Electives**	2
<b>Total</b>	<b>24</b>

\* Students may test out of this requirement through AP® or equivalent with approval from principal and school counselor

\*\* Includes Senior Seminar (1.0 credit) in 12<sup>th</sup> grade

† Acceptance of transfer credits from other schools or institutions will be determined by the principal and school counselor (transfer credits will not count toward a student's WYIS GPA)

## English Language Acquisition Requirements

Middle and high school English for Speakers of Other Languages (ESOL) students admitted to WYIS will be placed onto one of three appropriate ESOL levels:

- Level 1 (2 hours of ESOL per day provided)
- Level 2 (1 hour of ESOL per day provided)
- Level 3 (support provided as needed outside of class time)

A Level 1 student may take ESOL in place of social studies or a foreign language. A Level 2 student may take ESOL in place of a foreign language only.

A high school ESOL student will take ESOL classes for credit. In addition, a Level 1 student may be required to take English, Religious Studies & Ethics, and Science courses for language acquisition credit before they are ready to advance to regular classwork. These credits do not count toward the graduation requirements for English, Religious Studies & Ethics, and Science (i.e. Language Acquisition Science = 1.0 credit; 3.0 regular Science credits still required for graduation requirements).

*ESOL students who enter in high school may not be able to complete requirements for a high school diploma in four years without additional summer school or online courses.*

High School Language Acquisition Courses*	Credits
English for Speakers of Other Languages (ESOL) Level 1	2
English for Speakers of Other Languages (ESOL) Level 2	1
Language Acquisition English	1
Language Acquisition Religious Studies & Ethics	1
Language Acquisition Science	1

\*These courses/credits are required for English for Speakers of Other Languages (ESOL) students only. Students may test out of these requirements.

## Advanced Placement<sup>®</sup> Courses

WYIS believes that proper preparation for college is vital. Because of this, the WYIS Advanced Placement<sup>®</sup> (AP<sup>®</sup>) program is offered as an essential part of the secondary curriculum.

WYIS offers a comprehensive AP<sup>®</sup> program that prepares students for the Advanced Placement International Diploma (APID). The APID is a globally recognized certificate for students with an international focus. The APID challenges a student to display exceptional achievement on AP<sup>®</sup> exams across multiple disciplines. Universities worldwide give favorable consideration to the APID in their admissions processes. All WYIS high school students have the option of pursuing the APID.

WYIS currently offers the following Advanced Placement<sup>®</sup> courses (some on a rotating basis):

### English - Language Arts

- English Language & Composition
- English Literature & Composition

### Fine Arts

- Studio Art (2D Design)
- Studio Art (Drawing)

### Foreign Languages

- Chinese Language & Culture

### Mathematics

- Calculus AB
- Statistics

### Science

- Chemistry
- Physics 2

### Social Studies

- Comparative Government & Politics
- World History

# Middle School Course Descriptions

## *Art Courses: Performing Arts*

### **MU101: Middle School Beginning Band**

**Grade Level:** 6-8

**Length:** 1 year (offered every year)

**Prerequisites:** None

**Curriculum Resources:** Various music pieces; Musical instruments, Instruments technique book

**Assessments:** Playing Assessments, Scale Assessments, Concert Etiquette, Practice Charts

The goal of the course is to introduce students to the instruments of the concert band in order to help them select a concert band instrument they wish to pursue the following year. The course is designed for students to be able to experience a total of three different concert band instruments (at least one woodwind and one brass) throughout the course of the year. During their time on each instrument, students will learn to properly assemble the instrument and properly care for the instrument. They will learn to play a concert Bb scale with proper posture, correct fingerings, and good tone. Students will become musically literate on basic notation and rhythms. They will learn the value of teamwork within a band setting by learning to play with other instrumentalists. They will learn to follow the conductor's gestures for entrances, cutoffs, tempo, and dynamics. Through performance opportunities, students will gain the opportunity to share their music with others as well as demonstrate their musical growth. They will learn basic concert etiquette by rehearsal behavior as well as performance opportunities. Students will have performance opportunities both in and out of class.

### **MU103: Middle School Theater Arts**

**Grade Level:** 6-8

**Length:** 1 year (offered every year)

**Prerequisites:** None

**Curriculum Resources:** Various theater arts resources

**Assessments:** Quizzes, assignments, select performances (including public performances)

The purpose of this course is to teach students how to create an imagined world about human beings. They will see this created world through the eyes of the playwright, actor, designer, and director. Students will also understand artistic choices and how to critique dramatic works. Students will also be introduced to plays that reach beyond their communities to national, international, and historically-represented themes.

## ***Art Courses: Visual Arts***

### **ART101: Visual Design**

**Grade Level:** 6-7

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *The Visual Experience*, Davis Publications; Internet art sites

**Assessments:** Peer and teacher critiques, sketchbook checks

This is a studio course that is project based. Foundational drawing skills are built through exercises of drawing from observation based on *Drawing on the Right Side of the Brain* concept. It is balanced by creative expression of visual concepts and stylized drawing. While emphasis is placed on developing skills of realistic drawing, this class will include some drawing from imagination as well as cartooning. Homework might consist of sketching, finishing projects, if extra time is needed or any class time is missed. This course may be repeated for drawing skill development as continued practice builds hand – eye coordination and confidence.

### **ART103: Ceramics**

**Grade Level:** 7-8

**Length:** 1 year

**Prerequisites:** ART101

**Curriculum Resources:** *The Practical Potter*, Josie Warshaw; Internet art sites

**Assessments:** Sketchbook with journal, sketchbook notes that include journaling, sketches and inspirations

Ceramics is a studio based course that introduces students to basics of clay building, glazing and the kiln firing process. Elements and Principles of art are utilized in developing 3-D design concepts. This course may be repeated for skill refinement as continued practice builds proficiency and confidence.



# *Chinese Language Courses*

## **FL101: MS Chinese Level 1**

**Grade Level:** 6-8

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *Encounters: Chinese Language and Culture, Level 1*

**Assessments:** Episode acting, unit rap singing, vocabulary applications, cultural presentations, authentic materials reading and analysis, Chinese character tracing and writing, unit check points

The Middle School Chinese Level 1 class is designed for students from beginner to low-intermediate level. The *Encounters* program used in this course embodies a communicative, task-based approach, using authentic materials both in the textbook and the media that focuses students to learn by doing and not by rote memorization.

The course enables and reinforces what students can accomplish using Chinese (e.g. can-do's) and continually stretches their abilities through additional activities, vocabulary, and increasingly complex language use. The dramatic series establishes a reference point for each unit and provides ample opportunities to develop listening and speaking skills while introducing authentic Chinese culture. Relevant grammatical points and topics are then introduced and developed in context so students can accomplish their tasks and learning objectives. The focus of each unit then shifts to reading and writing to develop students' full range of communication abilities. This communicative approach to language instruction is supported across integrated textbooks, workbooks, and other audio-visual and web media.

## **FL102: MS Chinese Level 2**

**Grade Level:** 6-8

**Length:** 1 year

**Prerequisites:** FL101 or equivalent

**Curriculum Resources:** *Learn Chinese with Me, Volume 2*

**Assessments:** Role play, vocabulary dictation, make posters or give speeches according to assigned topics, unit tests, final exams

The purpose of this course is to foster Chinese Level 2 students' interest in learning Chinese and to cope with the general needs of conducting daily communication. Students will use previous Chinese language skills to communicate at a higher level. Students will explore Chinese traditional culture and customs (i.e. clothing, zodiac).

## **FL103: MS Chinese Level 3**

**Grade Level:** 6-8

**Length:** 1 year

**Prerequisites:** FL102 or equivalent

**Curriculum Resources:** *Learn Chinese with Me, Book 3*

**Assessments:** Vocabulary dictation, make posters or give speeches according to assigned topics, reading reports, writing compositions, final exams each semester

The purpose of this course is to challenge those who have a significant language basis. Throughout the class, Chinese Level 3 students will continue to develop their abilities in reading, speaking, writing, and comprehension. They will also expand their knowledge of Chinese culture through a comparative analysis of other cultures.

**FL104: MS Chinese Level 4****Grade Level:** 6-8**Length:** 1 year**Prerequisites:** FL103 or equivalent**Curriculum Resources:** New Concept Chinese books 14, 15, 16**Assessments:** Vocabulary quizzes, video projects, creating comic books, reading quizzes, final exams

The purpose of this course is to focus on reading comprehension. The students will read stories, fairy tales, prose, idiom stories, humorous stories, etc. They will compare and contrast the simplified and traditional Chinese characters. By the end of this course, students will be able to read and understand essays of about 600 words.

**FL105: MS Chinese Level 5****Grade Level:** 6-8**Length:** 1 year**Prerequisites:** The student must be a native Chinese speaker**Curriculum Resources:** G6 Yu Wen Volume 1 & 2, G7 Yu Wen Volume 1 & 2**Assessments:** Vocabulary quizzes, essays, poster presentations, memorization quizzes, PowerPoint presentations, final exams

The purpose of this course is to challenge those of native language ability. Chinese Level 5 students focus on literature, grammar, and writing. Students gain enhanced listening, reading, and comprehension skills. Students also achieve a higher level of speaking and writing skills.

## ***English Language Arts Courses***

### **EN101: English 6**

**Grade Level:** 6

**Length:** 1 year (offered every year)

**Prerequisites:** None

**Curriculum Resources:** *Elements of Literature: First Course*, McGraw Hill

**Assessments:** Quizzes, class discussion, comprehension questions, journal writing, unit tests, essays, and book projects

The purpose of this course is to provide a foundation for advanced English classes that students will take throughout the remainder of their education. The literary focus of the class will be on a general survey of fiction, nonfiction, poetry, drama, myths and fables. Literary concepts such as plot, conflict, imagery, theme, and characterization will be used to analyze and evaluate the chosen literary selections. The vocabulary focus of the class will be on basic skills such as parts of speech, spelling, synonyms, antonyms, contextual clues, and literal versus figurative meaning. The grammatical focus will be on proofreading skills, correct capitalization, punctuation, sentence structure, and parts of speech. The compositional focus will be on well-constructed and clearly expressed outlines, paragraphs, and summaries.

### **EN102: English 7**

**Grade Level:** 7

**Length:** 1 year (offered every year)

**Prerequisites:** None

**Curriculum Resources:** *The Language of Literature: Grade Seven*, McDougall Littell

**Assessments:** Quizzes, class discussion, journal entries, unit tests, essays, projects

The purpose of this course is to continue to build a solid foundation for further study of English in high school. This course will focus on in-depth analysis of the literary genres of the short story, drama, poetry, nonfiction, and the novel. The vocabulary focus of this course will further diction by increasing oral and written vocabulary, spelling, correct choices of synonyms and antonyms, recognizing denotative and connotative meanings, and correct usage of vocabulary in sentences. The grammatical focus will be on written essays that demonstrate correct grammar usage and mechanics, as well as proper capitalization, punctuation, sentence structure, and correct usage of the different parts of speech. The compositional focus will be on well-constructed and clearly expressed paragraphs.

### **EN103: English 8**

**Grade Level:** 8

**Length:** 1 year (offered every year)

**Prerequisites:** None

**Curriculum Resources:** Selections of Short Stories & Non-Fiction; Elie Wiesel's *Night*; Ray Bradbury's *Fahrenheit 451*, Shakespeare's *Romeo and Juliet*; A Beka Language Series Grammar and Composition

**Assessments:** Quizzes, class discussions, journal entries, comprehension questions, semester exams, unit tests, essays, projects

The course is fashioned to actively involve students in learning through a focus on literature, writing, and grammar. Through a student-centered approach to the study of English, students gain practical reading, writing, listening, and speaking skills. Students will write a selection of works including personal responses to literature, a critical essay analyzing text, a short story, a movie critique and analysis, a research project, and a Shakespeare adaptation. They will experiment with formal class presentations such as a multimedia project and with informal discussions while learning active listening skills.

## ***English Language Acquisition Courses***

### **ELA101: Middle School Language Foundations**

**Grade Level:** 6-8

**Length:** 1 semester to 1 year (offered as needed)

**Prerequisites:** WYIS ESOL level assessment and placement testing

**Curriculum Resources:** *Cutting Edge: Elementary, Pre-Intermediate, Intermediate*

**Assessments:** Vocabulary and grammar quizzes, writing, projects, tests, semester exams

This class provides comprehensive language development for reading, writing, and grammar. The ESOL coordinator oversees students' language development in core subject classes including science, religious studies, and English. Students attend these core classes with the goal of acquiring academic English language skills. Teachers in these classes work with the ESOL coordinator and students to provide modified curriculum, assignments, and assessments.

### **ELA103: Middle School Language Development**

**Grade Level:** 6-8

**Length:** 1 semester to 1 year (offered as needed)

**Prerequisites:** WYIS ESOL Level Assessment and Placement testing

**Curriculum Resources:** *Cutting Edge: Elementary, Pre-Intermediate, Intermediate*

**Assessments:** Vocabulary and grammar quizzes, writing, projects, tests, semester exams

This class provides comprehensive language development for reading, writing, and grammar. The ESOL coordinator oversees students' language development in core subject classes including science, religious studies, and English. Students attend these core classes with the goal of acquiring academic English language skills. Teachers in these classes work with the ESOL coordinator and students to provide modified curriculum, assignments, and assessments.

## ***Mathematics Courses***

### **MA101: Math 6**

**Grade Level:** 6

**Length:** 1 year (offered every year)

**Prerequisites:** None

**Curriculum Resources:** *GO Math! Middle School Grade 6; IXL online*

**Assessments:** Chapter test, projects, participation, IXL, teacher observations, semester exams

This Grade 6 Go Math course concentrates on a clear set of math skills and concepts. Students will learn concepts in a more organized way both during the school year and across grades. The standards encourage students to solve real-world problems.

### **MA102: Math 7**

**Grade Level:** 7-8

**Length:** 1 year (offered every year)

**Prerequisites:** MA101

**Curriculum Resources:** *GO Math! Middle School Grade 7; IXL online*

**Assessments:** Chapter test, projects, participation, IXL, teacher observations, semester exams

This Grade 7 Go Math course concentrates on a clear set of math skills and concepts. Students will learn concepts in a more organized way both during the school year and across grades. The standards encourage students to solve real-world problems.

### **MA103: Algebra 1**

**Grade Level:** 8

**Length:** 1 year (offered every year)

**Prerequisites:** MA102

**Curriculum Resources:** *Algebra 1 Vol. 1 & 2, HMH; IXL online*

**Assessments:** Bell work, mini-quizzes, section quizzes, in-class practice, concept-check questions during guided practice, unit tests and final exams

The purpose of this course is to explain families of functions, with special emphasis on linear and quadratic functions. As students learn about each family of functions, they will learn to represent them as verbal descriptions, equations, tables, and graphs. They will also learn to model real-world situations using functions in order to solve problems arising from those situations.

## ***Physical Education and Health Courses***

### **PE101: Physical Education/Health 6**

**Grade Level:** 6

**Length:** 1 year (Physical Education: 75% time, Health: 25% time) (offered every year)

**Prerequisites:** None

**Curriculum Resources:** SPARK *Middle School PE*, SPARK *Healthy Lifestyle Choices*

**Assessments:** Tests, presentations, projects, writing assignments/journals, classwork, etc.

The purpose of this course is to teach students the necessary physical skills, knowledge, and personal-social attributes needed to maintain a healthy and active lifestyle. Times of skill development are used to make students more successful at a variety of physical activities including volleyball, basketball, Ultimate Frisbee, badminton, tumbling, recreational sports (ping pong, four square, and aerobics), flag football, tennis, soccer, and possibly swimming. The course also includes one health day every week, which is intended to give students the necessary skills to make healthy choices.

### **PE102: Physical Education/Health 7**

**Grade Level:** 7

**Length:** 1 year (Physical Education: 75% time, Health: 25% time) (offered every year)

**Prerequisites:** None

**Curriculum Resources:** SPARK *Middle School PE*, SPARK *Healthy Lifestyle Choices*

**Assessments:** Tests, presentations, projects, writing assignments/journals, classwork, etc.

The purpose of this course is to teach students the necessary physical skills, knowledge, and personal-social attributes needed to maintain a healthy and active lifestyle. Times of skill development are used to make students more successful at a variety of physical activities including volleyball, basketball, jogging, weight training, fitness activities, flag football, handball, tennis or badminton, and soccer. The course also includes one health day every week, which is intended to give students the necessary skills to make healthy choices.

### **PE103: Physical Education/Health 8**

**Grade Level:** 8

**Length:** 1 year (Physical Education: 75% time, Health: 25% time) (offered every year)

**Prerequisites:** None

**Curriculum Resources:** SPARK *Middle School PE*, SPARK *Healthy Lifestyle Choices*

**Assessments:** Tests, presentations, projects, writing assignments/journals, classwork, etc.

The purpose of this course is to teach students the necessary physical skills, knowledge, and personal-social attributes needed to maintain a healthy and active lifestyle. Times of skill development are used to make students more successful at a variety of physical activities including volleyball, basketball, Ultimate Frisbee, tumbling, recreational sports (ping pong, four square, and aerobics), flag football, tennis, soccer, rowing, and hand ball. The course also includes one health day every week, which is intended to give students the necessary skills to make healthy choices. These health days will include lecture, discussion, laboratory, and investigative settings. Health units include time management/goal-setting, communication skills, personal health, nutrition, the digestive system, and first aid.

## ***Religious Studies and Ethics Courses***

### **REL101: Israel in the Old Testament**

**Grade Level:** 6

**Length:** 1 year (offered every year)

**Prerequisites:** None

**Curriculum Resources:** *The House of Israel*, ACSI

**Assessments:** Peer assessments, topic tests, presentations

This course is an introductory course to the Bible, with special emphasis on the Pentateuch, Joshua, Judges, and Ruth. The overarching goal of this course is to give students a proper understanding of how God has been at work throughout all of time, specifically dealing with the start of the nation of Israel. Topics of study include, but are not limited to: general introduction to the Bible, creation, the Patriarchs, the Exodus from Egypt, the wanderings of the Israelites in the wilderness, the conquest of Canaan, the period of the judges, and Ruth. With this course as a foundation, students will be better equipped to take full advantage of other Bible courses that follow.

### **REL102: Life of Christ and Early Church History**

**Grade Level:** 7

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *The Life of Christ; To the Ends of the Earth: An In-Depth Study of the Book of Acts*, ACSI

**Assessments:** Verse quizzes, tests, projects, group projects

This Grade 7 course offers the basic understanding of who Jesus is, his ministry and in depth of point of view and how it applies to the four gospels in the Bible (Matthew, Mark, Luke, and John). Students will also be able to see how point of view can help us answer the "Jesus Question." Who is Christ and what is the big deal about him?

### **REL103: Lightbearers: Introduction to Worldview**

**Grade Level:** 8

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *Lightbearers*, Summit

**Assessments:** Unit tests, projects, verse quizzes, class discussions, semester exams

The purpose of this course is to help students start thinking critically about ultimate questions in life: *Is there a God? What is real? What are our options for distinguishing right from wrong?* Through Introduction to Worldview, students will start to understand that ideas have consequences and their answers to these questions will have a profound impact on the way they behave and the choices they make.

## ***Science Courses***

### **SCI101: Integrated Science 1**

**Grade Level:** 6

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *Integrated iScience, Course 1*, Glencoe McGraw-Hill

**Assessments:** Root word quizzes, research paper, laboratory investigations, section quizzes, in-class projects, lab reports, presentations, exit tickets, unit tests, final exams, and the final science fair product

The Integrated iScience program starts off its first course with an introduction into many of the concepts from earth, life, and physical sciences. Course 1 builds a strong foundation of skills, vocabulary, and content that is necessary as students continue through the Integrated iScience program and even into high school. The Integrated iScience program allows students to be hands-on and experience science in real-world applications in three different branches of science. In addition to core content, students will be exposed to a wide range of supplementary materials such as BrainPop, sections of FOSS modules, virtual labs, interactive websites, and inquiry-based laboratory activities.

### **SCI102: Integrated Science 2**

**Grade Level:** 7

**Length:** 1 year

**Prerequisites:** SCI101

**Curriculum Resources:** *Integrated iScience, Course 2*, Glencoe McGraw-Hill

**Assessments:** Root word quizzes, research paper, laboratory investigations, section quizzes, in-class projects, lab reports, presentations, exit tickets, unit tests, final exams, and the final science fair product

The second Integrated iScience course reviews introductory concepts from earth, life and physical sciences and continues to build a strong foundation of skills, vocabulary, and content. iScience Course 2 digs deeper into the concepts previously learned to match students' growing intellectual level. The Integrated iScience program allows students to be hands-on and experience science in real-world applications in earth, life, and physical sciences.

### **SCI103: Integrated Science 3**

**Grade Level:** 8

**Length:** 1 year

**Prerequisites:** SCI102

**Curriculum Resources:** *Integrated iScience, Course 3*, Glencoe McGraw-Hill

**Assessments:** Root word quizzes, research paper, laboratory investigations, section quizzes, in-class projects, lab reports, presentations, exit tickets, unit tests, final exams, and the final science fair product

Course 3 reviews content learned in Courses 1 and 2, but also continues to build upon and dig deeper into the concepts previously learned to match students' growing intellectual level. The Integrated iScience program allows students to be hands-on and experience science in real-world applications in earth, life, and physical sciences. In addition to core content, students will be exposed to a wide range of supplementary materials such as BrainPop, sections of FOSS modules, virtual labs, interactive websites, and inquiry-based laboratory activities.



## ***Social Studies Courses***

### **SS101: Western World Geography**

**Grade Level:** 6

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *Western World*, HMH

**Assessments:** Section quizzes, map quizzes, class discussion, review questions, unit and chapter tests, projects

The purpose of this course is to provide a foundation of the study of world geography for the middle school student. Students are introduced to basic geography skills, as well as physical and human characteristics of the world. Topics shall include, but not be limited to: culture and climate regions, North America, Central and South America, the European Nations, Russia, and the Eurasian Republics.

### **SS102: Eastern World Geography**

**Grade Level:** 7

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *Eastern World*, HMH

**Assessments:** Know/want to know assessment, learned charts, vocabulary checklists, map identification surveys, fact quizzes, unit tests, concept/skills exams, projects, and discussions

The purpose for the study of Eastern World Geography for the middle school student is to create a better perspective of the broader eastern world, its foundations, characteristics, cultures and current issues. Students will review basic geography skills within the five themes of geography. Topics include, but are not limited to: political regions and borders; historical and current events; and culture and food within Africa, Middle East, Asia, and the Pacific, including Oceania.

### **SS103: United States History**

**Grade Level:** 8

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *United States History*, HMH

**Assessments:** Class discussion and individual and group projects will be used to develop a frame of reference for the broader themes involved; quizzes, unit tests, second semester final exam, quarter projects

The purpose of this course is to provide students with a foundational knowledge of US History so they may acquire the necessary skills to analyze and understand the major events, trends, and ideas that shaped the history of the American people and other nations within the US sphere of influence. Comparisons will be made with other nations to capture an open, more international vision.

## ***Technology Courses***

### **EC103: Middle School Technology**

**Grade Level:** 6-8

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** CommonSenseMedia.org, various technology training resources

**Assessments:** Quizzes, projects, discussion boards/collaboration page, blogs, semester tests

This course is designed with a dual focus: digital citizenship and computer applications.

The first semester of this course is designed to study the impact of digital media on the lives of students, their communities, and their culture. Students will learn online values and ethics, internet safety, and online responsibilities. Students are given opportunities to discuss the positive and negative aspects of digital life and are introduced to the concept of digital citizenship.

The second semester of this course is designed to teach students various computer skills such as Microsoft Office Applications, Website Designs, 3D Drawings, Video Editing, Game Design, and a lot more. This course will give students regular opportunities to use technology to develop skills that encourage personal productivity, creativity, critical thinking, and collaboration in the classroom and in daily life. These 21<sup>st</sup> century skills are essential for students to harness the full potential of technology for learning.

### **EC104: Middle School Robotics**

**Grade Level:** 6 – 8

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** VEX Robotics kit, journals

**Assessments:** Quizzes, projects

This course is designed to expose students to the fundamentals of robotics and engineering design processes. Students will use the VEX™ Robotics Kits to design and build a robot for use in a game simulation. Through this process, students will learn key STEM (Science, Technology, Engineering, Math) principles as well as robotics concepts. At the end of the course, students will build a robot to compete against their classmates.

# Middle School Courses Offered by Grade Level

The Following Courses Will Be Offered For the 2017-2018 School Year, According to Grade Level Listed

SUBJECTS	MIDDLE SCHOOL GRADES		
	6	7	8
PERFORMING ARTS	MU101 - Middle School Music		
	MU103 - Middle School Theater Arts		
VISUAL ARTS	ART101 - Visual Design		
		ART103 - Ceramics	
CHINESE LANGUAGE	FL101 - MS Chinese Level 1		
	FL102 - MS Chinese Level 2		
	FL10B - MS Chinese Level 3		
	FL104 - MS Chinese Level 4		
	FL105 - MS Chinese Level 5		
ENGLISH - LANGUAGE ARTS	EN101 - English 6		
		EN102 - English 7	
			EN103 - English 8
ENGLISH - LANGUAGE ACQUISITION	ELA101 - Middle School Language Foundations		
	ELA103 - Middle School Language Development		
MATHEMATICS	MA101 - Math 6		
		MA102 - Math 7	
			MA103 - Algebra 1
PHYSICAL EDUCATION & HEALTH	PE101 - Physical Education/Health 6		
		PE102 - Physical Education/ Health 7	
			PE103 - Physical Education/ Health 8

SUBJECTS	MIDDLE SCHOOL GRADES		
	6	7	8
RELIGIOUS STUDIES AND ETHICS	REL101 - Israel in the Old Testament		
		REL102 - Life of Christ & Early Church History	
			REL103 - Lightbearers: Introduction to Worldview
SCIENCE	SCI101 - Integrated Science 1		
		SCI102 - Integrated Science 2	
			SCI103 - Integrated Science 3
SOCIAL STUDIES	SS101 - Western World Geography		
		SS102 - Eastern World Geography	
			SS103 - United States History
TECHNOLOGY	EC 103 - Middle School Technology		

# High School Course Descriptions

## *Art Courses: Performing Arts*

### **MU201: High School Choir**

**Grade Level:** 9-12

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** Bach Chorales, music folders, various octavos

**Assessments:** Solfege Assessments, Part Learning Assessments, Written Performance Reviews, Concert Etiquette, Practice Charts

High School choir is a performance-based course designed to give students the experience of choral singing. The course is founded upon the premise that talent is real but hard work can achieve more than lazy talent. Students will be encouraged to develop confidence in their own voice by singing alone and with others. The course is centered around choral and vocal technique and will therefore involve mostly ear training as opposed to music theory training. Students will learn to sing solfege scales, intervals, and chords without aid from a piano. They will learn to engage with the conductor on entrances, cut-offs, tempo changes, and dynamics by following the conductor's gestures. Students will have performance opportunities both in and out of class. They will learn basic concert etiquette by rehearsal behavior as well as performance opportunities. Through performances, students will gain the opportunity to share their music with others as well as demonstrate their musical growth.

## ***Art Courses: Visual Arts***

### **ART201: Art Fundamentals (Required for AP® Studio Art)**

**Grade Level:** 9-12

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *The Visual Experience*, Davis Publications; Internet art sites

**Assessments:** Artist research/website, displaying completed artwork, critiques, quizzes, textbook assignments, sketchbook checks

This course is an overview of art and introduction to visual literacy with lecture and studio time. Students will create artworks using variety of media to illustrate understanding of the following concepts: Elements of Art, Principles of Design, Function and Purpose of Art, Art History and Styles. No special talent required. Students will be asked to visit a museum during the course of the semester.

### **ART401: AP® Studio Art**

**Grade Level:** 11-12

**Length:** 1 year

**Prerequisites:** ART201 and any other Visual Arts course (for a total of two credits of art)

**Curriculum Resources:** *The Visual Experience*, Davis Publications; *Design Basics*, Wadsworth; Internet art sites

**Assessments:** Online portfolios, group critiques, sketchbook checks, final portfolios assessed by AP® examiners

This course is designed for students who have had at one semester of Visual Art and one semester of another Visual Arts elective, in high school, and who are seriously interested in the visual arts, as to continue at an advanced level creating college level portfolio of art of at least 24 finished pieces of art. For the first semester of the year, students are given specific assignments and themes to develop. (The breadth section consists of 12 pieces.) By second semester the students will be expected to find their personal direction and theme(s), as well as choosing the media with which they wish to work (The concentration section consists of 12 pieces of art created around the student's central idea). The quality section consists of the five pieces of art that is a best representation of the student's artistic ability. This personal work will lead to developing a portfolio and presentation of artwork in an exhibition at the end of the course. Along with the studio work the students will be expected to keep an on-going series of written and visual art journals (Investigation Workbooks) to plan, record progress, and critique their studio projects, research other artists, cultures and periods of art history that relate to the themes, and record gallery and museum visits focusing on specific works that interest them. For evaluation, students will be required to photograph and digitally upload their studio artwork to the AP website as part of their exam. The studio art photos and scanned work are all assessed externally by an AP examiners. Basic art materials will be provided, however depending on the choice of projects students will need to be prepared to purchase some of their own materials.

**\*Note - Students enrolled in this course will have summer homework to complete before the start of the school year. Any students with the forethought of enrolling, even with doubts, should complete the assignments. In the end, if the student decides not to enroll in the course, the art exercises will benefit the artist's creative process.**

## *Chinese Language Courses*

### **FL201: HS Chinese Level 1**

**Grade Level:** 9-12

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *Encounters: Chinese Language and Culture, Level 1*

**Assessments:** Episode acting, unit rap singing, vocabulary applications, cultural presentations, authentic materials reading and analysis, Chinese characters tracing and writing, unit check points

The High School Chinese Level 1 class is designed for students from beginner to low-intermediate level. The *Encounters* program used in this course embodies a communicative, task-based approach, using authentic materials both in the textbook and the media that focuses students to learn by doing and not by rote memorization.

The course enables and reinforces what students can accomplish using Chinese (e.g. can-do's) and continually stretches their abilities through additional activities, vocabulary, and increasingly complex language use. The dramatic series establishes a reference point for each unit, and provides ample opportunities to develop listening and speaking skills while introducing authentic Chinese culture. Relevant grammatical points and topics are then introduced and developed in context so students can accomplish their tasks and learning objectives. The focus of each unit then shifts to reading and writing to develop students' full range of communication abilities. This communicative approach to language instruction is supported across integrated textbooks, workbooks, and other audio-visual and web media.

### **FL202: HS Chinese Level 2**

**Grade Level:** 9-12

**Length:** 1 year

**Prerequisites:** FL201 or equivalent

**Curriculum Resources:** *Road to Success* (Elementary book 1)

**Assessments:** Vocabulary quizzes, journals, worksheets, projects, unit tests, final exams

The purpose of this course is fulfilled through the comprehensive training of writing, reading, listening, and speaking. Students will be able to interpret and respond to oral and written Chinese. The course emphasizes the communication function and the language structure. The content relates to everyday experiences which allow students to engage Chinese culture and society. Students will gain preliminary knowledge of learning, communicative, resource, and interdisciplinary strategies they will use in guided situations.

### **FL301: HS Chinese Level 3**

**Grade Level:** 9-12

**Length:** 1 year

**Prerequisites:** FL202 or equivalent

**Curriculum Resources:** *Road to Success* (Elementary book 2); *Road to Success* (Upper Elementary book 1)

**Assessments:** Vocabulary quizzes, journals, worksheets, oral recitations, projects, unit tests, final exams

The purpose of this course is to refine and further develop students' capabilities in Chinese oral and formal written communication. It aims to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills within a cultural frame of reference, reflective of the richness of Chinese language and culture. This course is specifically designed for upper-intermediate to rising-advanced level students, i.e., students with 250-300 college Chinese contact hours (approximately four semesters of college Chinese courses) and who have acquired approximately 1000-1200 words. It is also suitable for native Chinese speakers who are fluent in Mandarin and have completed basic literacy training, as well as learners who wish to achieve advanced proficiency in a short time.

### **FL401: AP® Chinese Language and Culture**

**Grade Level:** 9-12

**Length:** 1 year

**Prerequisites:** FL301 or equivalent and teacher recommendation

**Curriculum Resources:** *Jia You!: Chinese for the Global Community*

**Assessments:** Vocabulary quizzes, journals, worksheets, oral recitations, projects, unit tests, PowerPoint presentations, essays, final exams

The purpose of this course is to provide students with training for the AP® Chinese exam. Students will refine and develop their capabilities in Chinese oral and formal written communication. The class aims to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills within a cultural frame of reference, reflective of the richness of Chinese language and culture. This class may receive university credit with an AP® test score of a 4 or 5.

### **FL403: Advanced Chinese: Modern Chinese Literature, History, and Culture**

**Grade Level:** 9-12

**Length:** 1 year (offered every other year)

**Prerequisites:** Completion of AP® (Score of 3+) or equivalent

**Curriculum Resources:** *Common Knowledge about Chinese History*; *Cultural Interpretations of China*

**Assessments:** Essays, projects, posters and presentations, historical background quizzes, table discussions, chapter tests, chapter questions, semester exams

This course explores the historical transformations that have led to the development of modern China. In this highly-advanced course, students will examine historical facts, politics, economy, culture, art, science, religion, philosophy, and societal life during different eras in China.



## ***English Language Arts Courses***

### **EN201: Composition and Communication**

**Grade Level:** 9

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *The Little, Brown Handbook*, Pearson

**Assessments:** Quizzes, journals, essay drafts, critiques, projects, semester exams, essays, and speeches

The purpose of this course is to provide an overview of basic composition and communication skills. Through a student-centered approach to the study of English, students will gain practical reading, writing, listening, and speaking skills. The main text is organized to target the grammar, mechanics, and style in communication. Students will develop skills in research and academic writing across multiple disciplines, as well as hone oral communication and presentation skills.

### **EN202: World Literature**

**Grade Level:** 10

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** *Norton Anthology of World Literature*

**Assessments:** Quizzes, literary critiques, essays, journals, and projects, semester exams, research papers

The purpose of this course is to consider large world questions answered through the eyes of multicultural writers. Students will gain practical reading, writing, listening, and speaking skills. Students will study and analyze works of literature and will use the “masters” as models for their own writing.

### **EN302: British Literature**

**Grade Level:** 11-12

**Length:** 1 year (offered every other year)

**Prerequisites:** EN201, EN202, or equivalent

**Curriculum Resources:** *The Norton Anthology of English Literature*

**Assessments:** Quizzes, literary critiques, essays, journals, projects, semester exams, and research papers

The purpose of this course is to actively involve students in learning through literary analysis and writing. The course will guide students through a chronological survey of the history of British literature. Students will gain practical reading, writing, listening, and speaking skills. The main text is organized by time and literary periods. Students will study and analyze works of literature and will use the “masters” as models for their own writing.

**EN401: AP® English Language and Composition****Grade Level:** 11-12**Length:** 1 year (offered every other year)**Prerequisites:** Composition and Communication, World Literature, British/American Literature and Teacher Recommendation**Curriculum Resources:** *Perrine's Literature: Structure, Sound, and Sense*, AP Ed.**Assessments:** Quizzes, Journals, Reflective Writings, Rhetorical Precise

An AP® course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Through the course, students will be required to write in several forms, from narratives to argumentative essays about a variety of subjects. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

## ***English Language Acquisition Courses***

### **ELA201: High School Language Development**

**Grade level:** 9-12

**Length:** 1 semester to 1 year (offered as needed)

**Prerequisites:** WYIS ESOL Level Assessment and Placement testing

**Curriculum Resources:** Cunningham, Sarah, Peter Moor, and Jonathon Bygrave. *Cutting edge: advanced. New ed.* Harlow, Eng., Pearson Education, 2013

**Assessments:** Vocabulary and grammar quizzes, paragraph and essay writing, quarter projects, tests and, semester exams

The purpose of this course is to enable students to be successful in mainstream secondary education. Students will be expected to apply class skills to their secondary core classes. Teachers in these classes work with the ESOL coordinator and students to provide accommodations for enhancing students' acquisition of academic language proficiency in the subject areas.

## ***Mathematics Courses***

### **MA200: Algebra 1**

**Grade Level:** 9

**Length:** 1 year

**Prerequisites:** MA102

**Curriculum Resources:** *Algebra 1 Vol. 1 & 2*, HMH; *IXL online*

**Assessments:** Chapter tests, spring and fall finals, chapter quizzes, assignments, class participation

The purpose of this course is to explain families of functions, with special emphasis on linear and quadratic functions. As students learn about each family of functions, they will learn to represent them as verbal descriptions, equations, tables, and graphs. They will also learn to model real-world situations using functions in order to solve problems arising from those situations.

### **MA201: Geometry**

**Grade Level:** 9-10

**Length:** 1 year

**Prerequisites:** MA103

**Curriculum Resources:** *Geometry Vol. 1 & 2*, HMH; *IXL online*

**Assessments:** Quizzes, activities, homework assignments, semester exams

Geometry implements the shift from geometry as a course in proof to geometry as a representation of the world around us. The study of geometry also encompasses its close relationship with algebra by using coordinates and algebraic means to verify the synthetic representations. In each chapter, students use algebraic tools to verify properties of figures presented on a coordinate plane.

**MA202: Algebra 2****Grade Level:** 10-11**Length:** 1 year**Prerequisites:** MA103 or MA200**Curriculum Resources:** *Algebra 2 Vol. 1 & 2*, HMH; *IXL online***Assessments:** Quizzes, activities, homework assignments, semester exams

This course is organized around families of functions, including linear, quadratic, exponential, logarithmic, radical, and rational functions. As students study each family of functions, students will learn to represent them in multiple ways – as verbal descriptions, equations, tables, and graphs. Students will also learn to model real-world situations using functions in order to solve problems arising from those situations.

**MA301: Pre-Calculus****Grade Level:** 10-12**Length:** 1 year (offered every year)**Prerequisites:** C or higher in MA202**Curriculum Resources:** *Pre-Calculus*, Houghton-Mifflin; *IXL online***Assessments:** Quizzes, activities, homework assignments, semester exams

This course is primarily designed to prepare students for AP<sup>®</sup> Calculus. Pre-Calculus combines students' prior knowledge of Algebra 1 and 2 along with Geometry to set the platform for Calculus. Students are required to have a graphing calculator (TI-84 or higher is recommended). Higher-level trigonometry is also integrated throughout the course. At the end of this course, students will be prepared to take AP<sup>®</sup> Calculus. Students will also be able to model many different types of functions.

**MA401: AP<sup>®</sup> Calculus AB****Grade Level:** 11-12**Length:** 1 year (offered every other year)**Prerequisites:** B or higher in MA202 and teacher recommendation**Curriculum Resources:** Larson, Ron and Bruce H. Edwards. *Calculus: Early Transcendental Functions*. AP Edition. 6th ed. Boston: Brooks/Cole, 2015, Graphical Calculator**Assessments:** Quizzes, activities, homework assignments, semester exams, and practice AP<sup>®</sup> exams

The AP<sup>®</sup> Calculus AB Curriculum Framework specifies the curriculum – what students must know, be able to do, and understand. Calculus AB is structured around three big ideas: limits, derivatives, and integrals and the Fundamental Theorem of Calculus. The concept of limits is foundational and the understanding of this fundamental tool leads to the development of more advanced tools and concepts that prepare students to grasp the Fundamental Theorem of Calculus, a central idea of AP<sup>®</sup> Calculus.

## ***Physical Education and Health Courses***

### **PE201: Health and Wellness 1**

**Grade Level:** 9-12

**Length:** 1 year (Physical Education: 75% time, Health: 25% time) (offered every year)

**Prerequisites:** None

**Curriculum Resources:** SPARK *High School PE*; additional PE and health resources

**Assessments:** Participation, homework tasks, quizzes, projects, final exam

The purpose of this course is to partner with Health and Wellness 2 to teach students the necessary physical skills, knowledge and personal-social attributes needed to maintain a healthy and active lifestyle. Times of skill development are used to make students more successful at a variety of physical activities. Activities include volleyball, team handball, flag rugby, jogging, badminton, weight training, and fitness activities. These skills are intended to help students discover activities they wish to pursue after high school. The course also includes one health day every week, which is intended to give students the necessary skills to make healthy choices. These health days will include lecture, discussion, laboratory, and investigative settings. Topics include fitness, sports participation, methods of training, spiritual health, health and skill-related fitness, tobacco, drugs, alcohol, skeletal and muscular system, and sports injuries/first aid. Students will also undertake a personal exercise program during the 2<sup>nd</sup> quarter, which requires researching, planning, and undertaking a program to improve an aspect of either their physical or skill-related fitness.

### **PE202: Health and Wellness 2**

**Grade Level:** 9-12

**Length:** 1 year (Physical Education: 75% time, Health: 25% time) (offered every year)

**Prerequisites:** None

**Curriculum Resources:** SPARK *High School PE*; additional PE and health resources

**Assessments:** Participation, homework tasks, quizzes, projects, final exam

The purpose of this course is to partner with Health and Wellness 1 to teach students the necessary physical skills, knowledge, and personal-social attributes needed to maintain a healthy and active lifestyle. Times of skill development are used to make students more successful at a variety of physical activities. Activities include volleyball, badminton, Ultimate Frisbee, soccer, weight training, fitness activities, football, and flag rugby. These skills are intended to help students discover activities they wish to pursue after high school. The course also includes one health day every week, which is intended to give students the necessary skills to make healthy choices. These health days will include lecture, discussion, laboratory, and investigative settings. Topics include wellness, fitness, cardiovascular system, respiratory system, nutrition, weight management, sexual health, psychological health, environmental health, spiritual health, infectious diseases, and cancer.

## ***Religious Studies and Ethics Courses***

### **REL201: Introduction to the Bible**

**Grade level:** 9<sup>th</sup> Grade, or any high school student who comes into WYIS for the first year

**Length:** 1 year

**Prerequisites:** None (*REL103: Lightbearers is recommended*)

**Curriculum Resources:** *Stranger on the Road to Emmaus*, Good Seed International

**Assessments:** Projects, verse quizzes, class discussions, semester exams

Many people, including Christians, have a “Sunday School” understanding of the Bible. They know some of the major stories, characters, and have some idea of what the Bible talks about, but they do not really know how the Bible is structured, how it came together, and how all of the parts of the Bible connect together. This course will give students an overview of the Bible from Genesis to Revelation. We will explore the key themes, characters and historical periods of the Bible. We will examine how each part of the Bible should be interpreted, such as the Law, historical books, wisdom literature, prophetic books, gospels, and epistles. We will study issues of inspiration (why the Bible is considered divine in origin) and how that should affect our approach to the Bible; canonicity (how the Bible was put together); and transmission (how the Bible was translated into various languages over time). Students will also learn hermeneutics (principles for interpretation).

### **REL301: Understanding the Faith: A Survey of Christian Apologetics**

**Grade Level:** 10

**Length:** 1 year

**Prerequisites:** REL201 (*REL103: Lightbearers is recommended*)

**Curriculum Resources:** *Understanding the Faith*, Summit

**Assessments:** Unit tests, projects, verse quizzes, class discussions, semester exams

Understanding the Faith introduces students to the distinctively Christian worldview. With a special focus and emphasis on apologetic issues, tough questions and issues are raised and examined, such as *What the Bible says about God? Is there evidence of the supernatural? Is Christianity anti-science? Why Don't People Believe?*

### **REL302: Understanding the Times: A Survey of Competing Worldviews**

**Grade Level:** 11

**Length:** 1 year

**Prerequisites:** REL201 (*REL103: Lightbearers is recommended*)

**Curriculum Resources:** *Understanding the Times*, Summit

**Assessments:** Unit tests, projects, verse quizzes, class discussions, semester exams

The purpose of this course is to help students clearly understand the tenets of the Christian worldview and how it compares with the tenets of other leading worldviews of our day: Islam, Secular Humanism, Marxism, New Age, and Postmodernism. Everyone has a worldview that is shaped by the people, ideas, and culture around them. In addition, this course will consider a number of other relevant topics, including abortion, euthanasia, radical environmentalism, radical feminism, biotechnology, the arts, cults, the problem of evil, religious pluralism, scriptural reliability, and more.

**REL303: Understanding the Culture: A Survey of Social Engagement****Grade Level:** 12**Length:** 1 year**Prerequisites:** REL201 (*REL103: Lightbearers is recommended*)**Curriculum Resources:** *Understanding the Culture*, Summit**Assessments:** Unit tests, projects, verse quizzes, class discussions, semester exams

This course is the capstone to the Understanding the Times worldview trilogy. In an ever-changing society, this course invites the learner to consider the needs and social issues of the world that we live in. Some of the issues raised in this class include technology, the arts and entertainment, marriage, creation, politics and justice. This course examines how 'new' some of these issues are, and encourages students to understand and deeply reflect on how we are to respond. This course begins with a broad understanding of Christian history, and students will come to an understanding that today's issues might not be as new as they seem. Students will be required to come ready to discuss current social issues as they investigate various claims, and consider if an authentic Christian worldview would provide a compassionate, effective response in today's culture.



## Science Courses

### SCI201: Biology

**Grade Level:** 9-10

**Length:** 1 year

**Prerequisites:** None

**Curriculum Resources:** Openstax Concepts of Biology, *Explore Evolution: The Arguments For and Against Neo-Darwinism* by Stephen C. Meyer, et al.

**Assessments:** Quizzes, projects, lab journal, essays, science fair project, end-of-unit exams, semester exams

The purpose of this course is to engage student interest in the most important concepts of biology. This course begins on the molecular level, moving up the chain of biological complexity all the way to the ecosystem level of biological interactions. Special attention is given to building a foundation for understanding current issues and research. Students will have the opportunity to think, integrate, and apply biological principles into their daily lives as they become aware of the biological aspects of their surroundings. Throughout the course, students will apply critical thinking skills and develop their problem-solving strategies. A student who completes the course in Biology should have a foundational knowledge for either further studies in the field at the college level or broad application of concepts to other fields of inquiry.

### SCI301: Chemistry

**Grade Level:** 10-12

**Length:** 1 year

**Prerequisites:** MA103 or MA200

**Curriculum Resources:** Pearson Chemistry (Prentice Hall Publishers, 2017)

**Assessments:** Quizzes, projects, lab journal, essays, end-of-unit exams, semester exams

The purpose of this course is to study the chemical nature of matter, including its composition, structure, properties, and changes. Designed as a year-long course for college-bound students, the course focuses on a wide range of chemistry topics, including atomic theory, electron configurations, the periodic table, different types of chemical reactions, states of matter, gases, and solutions. In addition to gaining a solid conceptual understanding of chemistry, students will be challenged to apply their chemistry knowledge to solve problems. This course relies heavily on laboratory-based learning experiences, as well as individual and team problem-solving exercises.

### SCI302: Physics

**Grade Level:** 10-12

**Length:** 1 year

**Prerequisites:** MA103 or MA200

**Curriculum Resources:** *Conceptual Physics*, Paul Hewitt

**Assessments:** Quizzes, tests, projects, lab journal, end-of-unit exams, semester exams

The purpose of this course is to study the physical properties of matter and energy, including kinematics, forces, rotational motion, fluids, heat, electricity, light, and sound. This course relies heavily on laboratory-based learning experiences, as well as individual and team problem solving exercises. Significant emphasis is placed on communicating results clearly and effectively. This course uses a variety of instructional methods to provide students with a solid conceptual foundation in Physics. Additionally, students will complete a large number of practice problems to gain skills in technical problem solving.

**SCI401: AP<sup>®</sup> Physics 2****Grade Level:** 11-12**Length:** 1 year (offered every other year)**Prerequisites:** SCI301 (with a grade of B or higher) and teacher recommendation**Curriculum Resources:** *College Physics: A Strategic Approach* by Knight, Jones, & Field (Pearson, 2015, 3<sup>rd</sup> Edition)**Assessments:** Chapter quizzes, unit exams (always cumulative), lab journal, semester exams

AP Physics 2 is an algebra-based course in physics, designed for students taking their second year of high school Physics. This course is taught over one full academic year, and is equivalent to the second semester of college physics taken by most non-engineering students. In this course, students develop rigorous problem-solving skills in a wide range of areas, including: thermodynamics, fluid statics and dynamics, electrostatics, electric circuits, magnetism, optics, quantum physics, and nuclear physics. Laboratory work is heavily integrated throughout the course and students are required to maintain a lab portfolio. This is a rigorous, university level physics course and will require the highest commitment from participants.

## ***Senior Courses***

### **SEC301: Senior Seminar**

**Grade Level:** 12

**Length:** 1 year

**Prerequisites:** None, required course for seniors

**Curriculum Resources:** Modular units

**Assessments:** Journal entries, quick-writes, quizzes, impromptu discussions, debates, the examination of peer works, essays, service project analyses, public speeches, mock interviews, digital media products

Senior Seminar challenges students to understand and develop personal responsibility and to enter adulthood as people who think critically, make principled decisions, and effectively influence the communities where they live.

The College and Career units help students research and match their interests with universities, write personal statements, submit applications and financial aid forms, apply for scholarships, explore careers and other post-secondary options, and consider internships. In Life Skills units, students develop competency in communication, personal finance, safety, public speaking, job search, interviewing, and self-care. They also learn about the legal obligations and civic responsibilities of adulthood. Service Learning units help students take ownership of their civic responsibilities by analyzing current events and participating in hands-on opportunities to serve their local and worldwide communities.

## ***Social Studies Courses***

### **SS201: World History 1**

**Grade Level:** 9

**Length:** 1 year

**Prerequisites:** Successful completion of Middle School Social Studies

**Curriculum Resources:** *World History*, Pearson; *Pearson Realize*® interactive portal

**Assessments:** Reading analysis/concepts questions, quizzes, chapter tests, projects, essays, presentations, semester exams

World History 1 is a year-long course which provides an overview of early history, spanning from pre-historic times to the Middle Ages. The course will first focus on the rise of the first civilizations and carry on into the formation of major ancient societies and their governments. Students will compare and contrast patterns recurring across time and places, analyze government structure and efficacy, and discuss the role of cultural elements, including religion, gender roles, education, and values, in the creation of a society.

### **SS204: World History 2**

**Grade Level:** 10

**Length:** 1 year

**Prerequisites:** SS201

**Curriculum Resources:** *World History*, Pearson; *Pearson Realize*® interactive portal

**Assessments:** Reading analysis/concepts questions, quizzes, chapter tests, projects, essays, presentations, semester exams

World History 2 is a continuation of World History 1. This year-long course focuses on modern history, from the Renaissance to World War II. Specific attention will be given to the role of religion in politics, the causes and effects of revolution, ideological change, social revolutions, and international relations in their struggle for balance of power.

### **SS301: Economics**

**Grade Level:** 11-12

**Length:** 1 Semester (offered during Semester 1 every year)

**Prerequisites:** SS201 & SS204 are recommended

**Curriculum Resources:** *Economics*, Pearson; *Pearson Realize*® interactive portal

**Assessments:** Reading analysis and concepts questions, quizzes, chapter tests, semester exams

This introductory course will focus on the foundational elements of economics, including supply and demand, market types, market influences, and advertising strategies.

**\*Note - this course will NOT adequately prepare students for the AP® Microeconomics or AP® Macroeconomics exams.**

## **SS302: Systems of Government**

**Grade Level:** 11-12

**Length:** 1 Semester (offered during Semester 2 every year)

**Prerequisites:** SS201 & SS204 are recommended

**Curriculum Resources:** *Comparative Politics Today: A Worldview*, Pearson

**Assessments:** Reading questions, quizzes, and projects, chapter tests, semester exams

Systems of Government allows students to study the various components of government, including selection of leaders, policy-making processes, and the creation of national identity and political culture. This course is especially helpful to students considering taking AP® Comparative Government in the future.

**\*Note – this course will NOT adequately prepare students for the AP® Comparative Government and Politics exam.**

## **SS401: AP® Comparative Government and Politics**

**Grade Level:** 11-12

**Length:** 1 year

**Prerequisites:** SS201, SS204, and teacher recommendation

**Curriculum Resources:** Powell, et al, *Comparative Politics Today: A Worldview*, 10th ed.

**Assessments:** Concepts quizzes, discussion board, essays, class presentations, semester exams

The AP® Comparative Government and Politics course is a rigorous college-level survey course investigating the ideas, controversies, and developments in different political systems around the world. The purpose of this course is to illustrate the different political systems, which involve the study of political science theory, methodology and the study of specific countries through recent history and current events. As a year-long college level course, it will introduce students to fundamental concepts of politics in a variety of political settings. The six countries, or models, that will be studied are Great Britain, Russia, China, Mexico, Nigeria and Iran. These six models will be used to give a critical perspective of the components and interconnectedness that are inherent in the inner-workings of all political systems. This course also includes the analysis of supranational organizations and their role in the political system of various countries.

# High School Courses Offered by Grade Level

The Following Courses Will Be Offered For the 2017-2018 School Year, According to Grade Level Listed

SUBJECTS	HIGH SCHOOL GRADES			
	9	10	11	12
PERFORMING ARTS	MU201 - High School Choir			
VISUAL ARTS	ART201 - Art Fundamentals			
	ART203 - Digital Photography & Graphic Design			
	ART401 - AP® Studio Art			
CHINESE LANGUAGE	FL201 - HS Chinese Level 1			
	FL202 - HS Chinese Level 2			
	FL301 - HS Chinese Level 3			
	FL401 - AP Chinese Language and Culture			
	FL403 - Advanced Chinese: Modern Chinese Literature, History & Culture			
ENGLISH - LANGUAGE ARTS	EN201 - Composition & Communication			
		EN202 - World Literature		
			EN301 - American Literature	
			EN402 - AP® English Literature and Composition	
ENGLISH LANGUAGE ACQUISITION	ELA200 - Composition & Communication			
	ELA201 - High School Language Development			
MATHEMATICS	MA200 - Algebra 1			
	MA201 - Geometry			
		MA202 - Algebra 2		
		MA301 - Pre-Calculus		
			MA402 - AP® Statistics	

SUBJECTS	HIGH SCHOOL GRADES			
	9	10	11	12
P.E. & HEALTH	PE201/PE202 - Health and Wellness 1 & 2			
	PE301 - Kinesiology			
RELIGIOUS STUDIES AND ETHICS	REL201 - Introduction to the Bible			
	REL301 - Underst. the Faith			
			REL302 - Underst. the Times	
				REL303 - Underst. the Culture
SCIENCE	SCI201 - Biology			
			SCI301 - Chemistry	
			SCI302 - Physics	
			SCI401 - AP® Chemistry	
SENIOR COURSES				SEC301 - Senior Seminar
SOCIAL STUDIES	SS201 - World History 1			
		SS204 - World History 2		
			SS301 - Economics	
			SS302 - Systems of Government	
			SS402 - AP® World History	