TSINGHUA INTERNATIONAL SCHOOL

PROGRAM OF STUDIES
2018-2019

HIGH SCHOOL
A TIME TO FIND YOUR PASSION
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THIS reserves the right to add, delete or alter courses based on student interest, availability of qualified staff, curriculum revisions and the requirement that a minimum of five students participate in the course.
Mission Statement

Tsinghua International School fosters creative critical thinkers who are rooted in China and prepared to lead in the global community.

Vision Statement

Tsinghua International School will be the model international school harmonizing the best of Western and Chinese education and culture. The school will develop the whole child, nurturing individuals of exceptional character who will make positive contributions to the world.

Core Values

With the motto of ‘Self-Discipline and Social Commitment’ and the spirit of ‘Actions Speak Louder than Words,’ Tsinghua University and its affiliate schools are dedicated to the well-being of Chinese society and to world development. THIS is a community of joyful learners—students, parents, teachers and staff. We cultivate this joy through our Core Values:

Collaboration—Sharing our gifts, strengths and perspectives; working together to solve problems and achieve goals.

Discovery—Pursuing ideas and topics that pique our curiosity, and developing creative responses to challenges and opportunities.

Engagement—Nurturing meaningful learning experiences that require active participation and critical thinking, lead to deep understanding, and foster lifelong learning.

Spartan Spirit—Promoting independence, caring, courage and integrity.

Cultural Diversity—Respecting ourselves and others, welcoming difference, and embracing the richness of Chinese culture.
THIS High School Graduation Requirements

In order to graduate a student must complete a accepted program of study including courses in each content area and required electives. In addition a student must attend THIS for his/her entire senior year, meet the class attendance requirements and carry a full load of courses each semester.

Graduating with Honors

Students who graduate with a cumulative GPA of 4.0 or higher will be designated as “High Honor Graduates.” Students who graduate with a cumulative GPA of 3.5 – 3.99 will be designated as “Honor Graduates”. In order to qualify for the above designations students must also meet disciplinary and attendance standards. THIS does not rank students.

The Program of Study graduation requirements on the next pages are meant to serve only as a minimum standard. College bound students should strive to meet the credit requirements in the right hand column and should take a challenging set of courses.
## GRADUATION REQUIREMENTS

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<thead>
<tr>
<th>Department/Subject</th>
<th>Minimum Requirements</th>
<th>Recommended for University</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>4.0</td>
<td>4.0</td>
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<tr>
<td>Chinese</td>
<td>4.0</td>
<td>4.0</td>
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<tr>
<td>Mathematics</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Science</td>
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<td>4.0</td>
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<tr>
<td>Social Studies</td>
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<tr>
<td>Fine Arts</td>
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<tr>
<td>Performing Arts (Music and Theater)</td>
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<td>1.0</td>
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<tr>
<td>Computer Studies</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Health Education</td>
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<td>.5</td>
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<tr>
<td>Electives</td>
<td>.5</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Minimum Credit Totals</strong></td>
<td><strong>25</strong></td>
<td><strong>28</strong></td>
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Advanced Placement (AP) Program

These courses are developed by the College Board, and provide students with exposure to both the level and quality of work expected at a collegiate level. Students are instructed at a freshman college level, and therefore, AP Courses require a substantial commitment of time and effort by the student. They also prepare students to take the AP examinations in May for potential college credit. Students and families are encouraged to consult with their administrator, college counselor, and college representatives as to whether or not Advanced Placement courses are awarded college credits by specific colleges/universities and at what level of performance on the Advanced Placement exam. Many college websites post this information.

The following information pertains to enrollment in AP courses.

1) Students must possess a very high level of English proficiency for all courses except Calculus and Statistics.

2) Students who want to enroll in AP courses must demonstrate an aptitude and interest in that particular subject area. Specific prerequisites for each course are listed under the course title in this booklet.

3) Those who enroll in AP courses are required to take the AP exam offered in the month of May and participation in the exam is part of their final grade for the course.

4) Students must pay the complete exam fee by October 1 of the school year in which they are enrolled in the course. That amount is paid to the Director of College Counseling.

5) Final course assessments may include teacher-made examinations, portfolios, or projects.
### Advanced Placement Course Offerings

<table>
<thead>
<tr>
<th>Course</th>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Chinese Language and Culture</td>
<td>Calculus AB</td>
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<tr>
<td>English Language and Composition</td>
<td>Calculus BC</td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>Statistics</td>
</tr>
<tr>
<td>Chemistry</td>
<td>*Computer Science A</td>
</tr>
<tr>
<td>*Physics I &amp; II</td>
<td>*Computer Science Principles</td>
</tr>
<tr>
<td>*World History</td>
<td>Biology</td>
</tr>
<tr>
<td>United States History</td>
<td></td>
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<tr>
<td>Macroeconomics</td>
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</tbody>
</table>

*Grade 10 students are eligible to take one or two of the starred courses based on teacher recommendations, previous courses, work ethic and sometimes an assessment.

For further information about AP courses, including course descriptions, please go to

[http://apcentral.collegeboard.com](http://apcentral.collegeboard.com)
REQUIRED COURSES AT EACH GRADE LEVEL

GRADE 9:

- Chinese A or B
- English/Language Arts 9
- Geometry or Advanced Geometry
- Humanities
- Biology
- High School Enrichment
- Chinese History 9
- Physical Education/Health

GRADE 10:

- Chinese A or B
- English/Language Arts 10
- Algebra II, Advanced Algebra II or Algebra II/Trigonometry
- World History or AP World History
- Chemistry

GRADE 11:

- Chinese A or B or AP Chinese (non-native speakers only.)
- English/Language Arts 11 or AP Language and Composition
- Pre-Calculus, Calculus, AP AB Calculus or AP BC Calculus
- US History, AP US History, AP Human Geography, AP Macro Economics, or *Philosophy
- Physics, AP Physics I or AP Physics II
  * Taught every other year.

GRADE 12:

- Chinese A or B
- English/Language Arts or AP Language and Composition or AP literature and Composition
- Calculus, AP AB Calculus, AP BC Calculus, Applied Math or Linear Algebra
- AP Chemistry, AP Physics I or II, AP Biology, Environmental Science or Earth and Space Science
REQUIRED ELECTIVES

Students must complete one credit in each of the following content areas between grade 9 and 12 in order to graduate:

- Art – Visual or Digital (can be a combination of both)
- Performing Arts – Theatre or Music (can be a combination of both)
- Technology – Computer Science or Digital Arts (can be a combination of both)
- Physical Education – (1 credit after grade 9)

One credit is equal to 2 semesters of one course or one semester each of two different courses. Courses may be added or subtracted each year based on student need, interest and teacher qualifications.

Some digital arts courses can count for art or technology credit but not for both. See the lists below.

REQUIRED ELECTIVE CHOICES BY CONTENT AREA

Students choose from the lists below in order to complete the requirements.

ART

- Foundations of Art (required before taking other visual arts courses except Eastern Art)
- Introduction to Sculpture
- Painting
- Eastern Art I
- Eastern Art II
- Art History
- Ceramics
- Art Portfolio
- Foundations of Digital Art (Required before taking other digital arts courses.)*
- Digital Photography*
- Digital Video*
- Interactive Media*
- Woodworking and Design

TECHNOLOGY

- Introduction to Computer Science (must be taken before AP
- AP Computer Science (taught every two years)
- AP Computer Science Principles (taught every two years)
- Desktop Publishing
- Web Design
- Robotics
- Foundations of Digital Art (Required before taking other digital arts courses.)*
- Digital Photography*
- Digital Video*
- Interactive Video*
- Mobile APP Design and Development

PERFORMING ARTS

- Advanced Acting
- From Improv to Scene Creation
- Choir
- Band
- Piano
- Guitar

PHYSICAL EDUCATION

- Sports Management
- Strength Building
- Outdoor Education
- Ultimate Sports
- Advanced Fitness
ENGLISH 9 (1 credit)
GRADE LEVEL: 9
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
The Grade 9 course is designed to prepare students for the rigors of high school. We concentrate on teaching skills that are used across all the subject areas, and will be used throughout student academic careers. These include argumentation, essay writing, analyzing a variety of texts, and most importantly, creating original work. We develop these skills through novels, poetry, presentations, and play writing. Texts range from To Kill a Mockingbird to Shakespearean sonnets, and topics as varied as universal justice, the search for the meaning of truth, utopia/dystopia, community and the individual, courage, and innocence.

HIGH SCHOOL ENRICHMENT (1/2 credit)
GRADE LEVEL: 9
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
This course is designed to help students make the transition from middle school to high school: academically, socially, and emotionally. Our goal is help students make the most of their high school experience by starting it well.
ENGLISH 10 (1 credit)
GRADE LEVEL: 10
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
Students will develop critical analytical skills and a holistic worldview through a broad survey and treatment of world literature from Africa, Eastern Europe, the Middle East, and Asia. Texts will be supplemented through additional cultural and historical contexts such as art, music, philosophy, and geography. Students will engage with the texts through reading, writing, discussion, performance, and more. One of the primary goals of the class will be to examine the “Post-Colonial Era” and how historically oppressed groups have responded to the challenges of the modern age.

ENGLISH 11 (1 credit)
GRADE LEVEL: 11
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED—UNLESS TAKING AP ENGLISH LANGUAGE AND COMPOSITION
The main objective of this class is for students to learn academic writing and public speaking. We will do this through group discussions, projects, and compositions. Students will learn to work together in pairs and in groups, so as to create a classroom community of individuals with firm and confident points of view. Students will also review basic grammar and formatting rules, and increase their vocabulary for university work, and the SAT. English 11 focuses on American Literature. During the first semester, we read The Crucible, Narrative of the Life of Frederick Douglass, and a variety of thematically related poems and short stories. We will explore the roots of early American life through these works, and proceed during semester two into the 20th and 21st centuries with a concentration on the novels The Great Gatsby and Catcher in the Rye along with more thematically related poems and short stories.

ENGLISH 12 (1 credit)
GRADE LEVEL: 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED—UNLESS TAKING AP ENGLISH
The main objective of this class is to prepare students to succeed in a college level humanities class. Students will develop skills including research, public speaking, academic writing, critical thinking, and text analysis. Each unit of study will explore a different theme: the individual in society, the concept of courage, truth and illusion, and feminism and family. Students’ understanding will be gauged though a range of assessments, including essays (argumentative, analytical, and narrative), discussions, and individual and collaborative projects. Major works of English literature include The Autobiography of Malcolm X, Hamlet,
Jane Eyre, and Wide Sargasso Sea. Thematically related poems and short stories will accompany the major texts. Seniors will complete a major poetry portfolio in the Spring.

AP ENGLISH LANGUAGE AND COMPOSITION (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: A- average in previous English course and teacher recommendation
NUMBER OF SEMESTERS: 2 semesters of 8 class periods per six day week.
COURSE DESCRIPTION: ELECTIVE
In this introductory, college-level English course, students will learn to analyze and employ rhetoric - the art of persuasive speaking and writing. Course readings will feature expository, analytical, personal and argumentative texts from a variety of authors, over a range of centuries. The focus of the course is non-fiction texts. Students will learn to identify a variety of literary and stylistic devices traditionally utilized in classical western texts. Students will also learn to read a range of non-fiction genres, including essays, letters, speeches, news articles, advertisements, and philosophical texts. Graphics, such as political cartoons, illustrations and charts, as well as photographic images, will be studied in conjunction with the written word. This is a college level course that requires an average of sixty minutes of homework per night.

AP ENGLISH LITERATURE AND COMPOSITION (1 credit)
GRADE LEVEL: 12
PREREQUISITES: A- average in AP English Language and Composition or ELA 11 and teacher recommendation.
NUMBER OF SEMESTERS: 2 semesters of 8 class periods per six day week.
COURSE DESCRIPTION: ELECTIVE
The AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Although critical analysis makes up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written. Such experiences sharpen their understanding of what writers have accomplished and deepen their appreciation of literary artistry. The goal of both types of writing assignments is to increase students’ ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do.
Current Affairs (1/2 credit)
GRADE LEVEL: 9-12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: Elective
Current Affairs is a research and discussion-based course. Its primary objective is to develop skills for analyzing controversial issues and the effect of the media’s presentation of those issues with the goal of promoting global awareness and creating an educated citizenry. As a class, we will explore a broad and ever-changing array of social concerns and issues from around the world. These will include national, state, and local news, through a variety of news from newspapers and magazines, television, online resources and political cartoons. Students will be expected to research various topics and consider a range of controversial and complex opinions and perspectives. This class requires extensive class participation and discussion. In addition, students will be writing summaries and editorials, making presentations, interpreting political cartoons, and working on individual and group projects.

SCREENWRITER’S WORKSHOP
GRADE LEVELS: 9,10,11,12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Screenwriter’s workshop aims to expose students to writing for film and television. Students will be introduced to genre conventions and formatting, building a character, plot development, linear and non-linear storytelling and finally a workable short screenplay. The classes will involve mini-lessons with students getting quality 1:1 feedback based on a newly learned skill. The aim of the course is to develop the passion of people who like screenwriting, and to introduce the medium to those who would like to try it for the first time. All students are welcome. Based on the workshop formula of Sundance and the New York Film Academy, this semester long course hopes to serve as the gateway to the next great screenwriter of our generation.
*Not offered every year.

FILM STUDIES I (1/2 Credit)
PREREQUISITE: None
GRADES LEVELS: 9,10,11,12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Ranging from iconic classics to modern independent films, students will thoroughly examine the interplay of visual language, story structure, character development/motivations, visual metaphor, thematic representation, plot, pacing, sound design, and more. Students will analyze how these various elements are influenced by the cultural histories of the countries from which they come. All students should have an interest in scriptwriting, film analysis, and cultural studies.
FILM STUDIES II (1/2 Credit)
PREREQUISITE: Film Studies I
GRADES LEVELS: 9,10,11,12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE

Expanding on the knowledge acquired in Film Studies I, students will continue to improve their film analysis skills through story analysis, methods for conveying meaning/message, and the creation of various media projects. Additionally, students will gain basic skills using Final Cut Pro 7/X. All students should have an interest in scriptwriting, film analysis, and cultural studies.
BIOLOGY (1 credit)
GRADE LEVEL: 9
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
Biology is the study of life and of all the processes occurring inside living organisms. Through learning Biology, students identify patterns in nature and understand that all living organisms carry out similar processes to form the structures that make up their bodies. They also consider the impact of human activities, both on the organisms and ecosystems that constitute the biosphere and on individual human beings and human society in the world. Applying an understanding of Biology helps students to appreciate culture, ethics, economics, power relationships and other factors that influence the pursuit of science and have significant impacts on the way people live. The study of Biology enables students to make informed decisions about modifying and interacting with nature.

AP BIOLOGY (1 credit)
GRADE LEVELS: 11 and 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant
amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time.

The new AP Biology curriculum encompasses 4 ‘big ideas’, with Essential Knowledge and Process Skills that support each one.

- Big Idea 1: Evolution – the process of evolution drives the diversity and unity of life
- Big Idea 2: Cellular Processes (Energy and Communication) -- Biological systems utilize free energy and molecular building blocks to grow.
- Big Idea 3: Genetics and Information Transfer – living systems store, retrieve, transmit, and respond to information essential to life processes
- Big Idea 4: Interactions – Biological systems interact and these systems and their interactions possess complex properties.

*This course also requires an after school lab session each week.

**CHEMISTRY (1 credit)**
GRADE LEVEL: 10
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
Chemistry is a science that looks at the structure and composition of matter, and how it can change. In this introductory general chemistry course, students will study many phenomena related to the experiences encountered in their daily lives, providing them with the tools and skills to better understand the world around them. Students will study topics such as the basic structure of matter and atoms, chemical bonding, chemical reactions, and kinetics/equilibrium, while continuously asking the question: “How can we explain observable characteristics of matter in terms of the arrangement and properties of their particles?”

**AP CHEMISTRY (1 credit)**
GRADE LEVELS: 11,12
PREREQUISITES: A- average in previous Chemistry course and teacher recommendation.
NUMBER OF SEMESTERS: 2 semesters of 8 class periods per six day week and one after school lab
COURSE DESCRIPTION: ELECTIVE
AP Chemistry is an academically challenging course that is designed to cover the equivalent of a general chemistry course usually taken during the first year of college. Students will gain a deep understanding of fundamentals, and build on their abilities to deal with chemical in this course including the structure of matter and bonding, moles and stoichiometry, analytical chemistry techniques, solutions, equilibria, thermochemistry, kinetics, acids/bases, and electrochemistry. There will be frequent problem solving, data analysis, and laboratory work. This course also requires an after school lab session each week.
ENVIROMENTAL SCIENCE (1 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
Environmental science is a yearlong elective that focuses on the complex relationships
between humans and the environment. It is a case based approach to science education. The
students will apply investigation methods to identify and describe different environmental
issues and then use the scientific method to address problem situations.
The course places the students in the role of an environmental scientist investigating
environmental problems drawn from the real world. It is a course that will require the
students to work independently, do research and perform several projects over the period of
the year. The students will need to work alone or in groups both during the class and after
school.

EARTH AND SPACE SCIENCE (1 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
Earth and Space Science is a lab and project-based course to help you understand Earth’s
Systems, Earth’s Place in the Universe, Earth’s History, and how Human Activities affect the
environment. You will primarily learn about astronomy, meteorology, oceanography,
geology, and paleontology, but you will also see how these topics are influenced by physics,
chemistry, and biology. You will see how the Universe formed, tour the Solar System, learn
about rockets and space exploration, and identity how and where scientists look for life. You
will also find out how the Earth formed and changes over time, study earthquakes and
volcanoes, learn all about dinosaurs, find out how fossils form, and learn how scientists look
for fossils. You will learn about oceans, coral reefs, ocean ecosystems, water chemistry, and
how the oceans influence the weather. Finally, you will also learn about caves, rivers and
groundwater, the atmosphere, the climate, and how humans can affect the environment, in
addition to meteorology and how humans can be affected by hurricanes and tornadoes.

Physics (1 credit)
GRADE LEVEL: 11
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
Physics is the study of the relationship between energy and matter. In this introductory
Physics course, students will learn about the fundamental physics principles that govern our
universe and relate these principles to everyday interactions. Students will study topics such
as kinematic motion, Newton’s Laws, work and energy, impulse and momentum, waves, and
simple DC circuits. Students will focus on investigative work to analyze and interpret
experimental observations to answer questions such as “How are physical quantities related to each other?” and “Where and how do we apply these relationships in real life?”

AP PHYSICS I and II (1 credit each year)
GRADE LEVELS: 10, 11, 12
PREREQUISITES: A- in previous science course and teacher recommendation. A- and above in Geometry and will be concurrently taking Algebra 2 or higher. A- and above in previous English class and demonstrates strong literacy proficiency. 10th graders will be asked to take a proficiency test before enrolling.
NUMBER OF SEMESTERS: 4 semesters of 8 class periods plus one after school lab. (Students may opt to take only two semesters. An AP exam is given at the end of year one and another test at the end of year two.)
COURSE DESCRIPTION: ELECTIVE
As the first component of a two full year AP Physics curriculum revised by College Board, AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. This course is organized around seven foundational big ideas in physics and focuses on the development of essential scientific practices through authentic inquiry-based experiments and projects. This course aims to cultivate a deep understanding of key classical physics topics such as Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound; and static electricity along with an introduction to electric circuits. Students enrolling in this course will be rewarded with a rich conceptual and mathematical understanding of our physical universe and will be able to apply their knowledge to critically observe, analyze and predict natural phenomena.

As the second component of a two full year AP physics curriculum revised by College Board, AP Physics 2 is equivalent to a second-semester college course in algebra-based physics. This course is organized around seven foundational big ideas in physics and focuses on the development of essential scientific practices through authentic inquiry-based experiments and projects. This course aims to cultivate a deep understanding of key classical and modern physics topics such as Thermodynamics; Fluid mechanics; Electrostatics; DC and RC circuits; Magnetism and electromagnetic induction; Geometric and physical optics; Quantum physics; and Nuclear physics. Students enrolling in this course will be rewarded with a rich conceptual and mathematical understanding of our physical universe and will be able to apply their knowledge to critically observe, analyze and predict natural phenomena.
STEAM I (Science, Technology, Engineering, Art, and Math) (1/2 credit)
GRADE LEVELS: 9,10,11,12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
As the first fundamental component of an interdisciplinary Science, Technology, Engineering, Art and Mathematics program, students will work together in small groups to explore and engage in real-world problems in structural stability and design. The aim of this course is to cultivate student interest in STEM related fields along with a component in artistic expression. Students will learn essential scientific and mathematical concepts to help them design, model, and fabricate solutions to real-world based problems in structural engineering. Students will also develop necessary critical thinking and construction skills through hands-on projects based on the engineering process. The course will be centered on projects that focus on the study of statics such as bridge and tower construction.

STEAM II (1/2 credit)
GRADE LEVELS: 9,10,11,12
NUMBER OF SEMESTERS: 1
PREREQUISITE: None
COURSE DESCRIPTION: ELECTIVE
As the second fundamental component of an interdisciplinary Science, Technology, Engineering, Art and Mathematics program, students will work together in small groups to explore and engage in real-world problems in structural dynamics and design. The aim of this course is to cultivate student interest in STEM related fields and build upon fundamental knowledge of statics from STEAM I. Students will learn essential scientific and mathematical concepts related to the motion of objects to help them design, model, and fabricate solutions to real-world challenges in engineering. Students will also continue to develop necessary skills in critical thinking, design and problem solving through hands-on projects based on engineering principles. The course will be centered on projects that focus on the study of dynamics such as racecars and complex mechanical machines.

STEAM III (1/2 credit)
GRADE LEVELS: 10,11,12
NUMBER OF SEMESTERS: 1
PREREQUISITE: STEAM II
COURSE DESCRIPTION: ELECTIVE
As the third fundamental component of an interdisciplinary Science, Technology, Engineering, Art and Mathematics program, students will work together in small groups to explore and engage in real-world problems in robotic design. The aim of this course is to cultivate student interest in STEM related fields and introduce programing elements to fundamental statics and dynamics engineering principles from STEAM I&II. Students will learn essential computer
science knowledge and skills to design, construct, and program complex robotic systems to complete a variety of tasks.

STEAM IV (1/2 credit)
GRADE LEVEL(S): 10,11,12
NUMBER OF SEMESTERS: 1
PREREQUISITE: STEAM III
COURSE DESCRIPTION: ELECTIVE
As the fourth fundamental component of an interdisciplinary Science, Technology, Engineering, Art and Mathematics program, students will work together in small groups to explore and engage in real-world problems in electronics and circuit design. The aim of this course is to further cultivate student interest in STEM related fields and introduce open-hardware design to fundamental components of engineering principles from STEAM I, II&III. Students will learn essential electrical engineering knowledge and skills to design, construct, and program complex systems to solve a variety of real-world problems. This course will be focused on student-generated projects that are aimed to solve a specific current world/community issue.

STEAM V (1 credit)
GRADE LEVELS: 10,11,12
NUMBER OF SEMESTERS: 2
PREREQUISITE: STEAM IV
COURSE DESCRIPTION: ELECTIVE
As the capstone component of an interdisciplinary Science, Technology, Engineering, Art and Mathematics program, students will incorporate previous knowledge and skills acquired in STEAM I-IV courses to engage in a student-generated project that aims to solve a real-world problem in the field of Aerospace & Aeronautics, Energy & Environment or Health & Nutrition. As the cornerstone of this course, students will be entered in the annual Conrad Spirit of Innovation Challenge based on their selected project and develop their innovative product based on a specified engineering rubric. Students who develop successful products may receive scholarships from the Conrad Foundation based on the quality of their project.

HIGH SCHOOL WOODWORKING (1 credit)
GRADES LEVELS: 9,10,11,12
NUMBER OF SEMESTERS: 2
PREREQUISITE: NONE
COURSE DESCRIPTION: ELECTIVE
Are you sitting in a chair, at a desk, or at a table right now? Have you ever wondered how these pieces of furniture are designed and built? This class will help you understand how to use Science, Technology, Art, and Math to create objects out of wood. Your skills with tools will be built up through
a series of small projects that will lead to you designing and making your own unique piece of furniture!
Social studies

HUMANITIES (1 credit)
GRADE LEVEL: 9
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED

Humanities at THIS takes an interdisciplinary approach to studying Social Sciences in Grade 9. This means that Humanities will be very different from any social studies class you have taken before. It approaches social studies through the lens of sociology, philosophy, religion, and history, in order to achieve an in-depth understanding of human behaviors and their impact on humanity at large. The first semester begins with an examination of how we form our own identities and those of others in the unit on Decision Making in Times of Injustice. Our understanding of the core concepts around identities, their social construction, hierarchy, diversity, divisive nature and their impact on human civilization is strengthened with a thorough study of the Holocaust and the historical developments that culminated in that grave tragedy, and boosted with the acquisition of skills such as critical thinking, reading and writing, argumentative analysis and in-depth research. The course also involves two large research projects – a historical research project in the first and an ethnographic research project including a fieldtrip in the second semesters. Both of these projects help develop important social studies skills essential to success in high school and beyond.

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**MODERN WORLD HISTORY (1 credit)**

**GRADE LEVEL:** 10  
**PREREQUISITES:** Humanities  
**NUMBER OF SEMESTERS:** 2  
**COURSE DESCRIPTION:** REQUIRED — Unless Taking AP World History in Grade 10  
Modern World History spans the major events, movements, themes, advances, and other human history of the entire globe over the course of several centuries. As such, it requires a significant amount of reading outside of class time as the background for class work. In class, students will engage in problem solving group work, writing exercises, experiential activities, role-playing, interactive lectures, debates, and discussions. Connections to current events will be emphasized throughout. Students will complete at least two major research papers during the year, mostly completed outside of class.

**AP WORLD HISTORY (1 credit)**

**GRADE LEVELS:** 10, 11, 12  
**PREREQUISITES:** Recommendation of the 9th grade English teacher and the Grade 9 Humanities teacher. Due to the amount and complexity of the reading, English language level, and written composition level must be proficient.  
**NUMBER OF SEMESTERS:** 2  
**COURSE DESCRIPTION:** FULFILLS THE WORLD HISTORY REQUIREMENT  
AP World History is a rigorous, college-level course designed to explore human history from 8000 B.C.E. to the present, emphasizing the development of analytical and writing skills necessary for success on a collegiate level. To this end, the course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography (the principles, theories, or methodology of scholarly historical research and presentation), and inquiry into global connections that have shaped our present world. This course requires a significant amount of reading, writing, and researching outside of class and demands a high level of rigor throughout the year. A special emphasis will be given to preparation for the AP Exam, including historical writing through comparative essays of continuity and change over time as well as document-based questions (DBQ) and objective evaluations.
UNITED STATES HISTORY (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: World History or AP World History
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
This course takes a skills-based approach to the study of history, prioritizing connections between people and events over memorization of names and dates. While students who plan to apply to universities in the United States should definitely take this course, all students will learn valuable critical thinking, research, and writing skills in this course. U.S. History examines key themes, movements, and eras in America’s long and vibrant history, beginning in pre-Columbian times and stretching to the Industrialization and Imperialism of the late 1800s. Throughout the year, we will explore the varying extent to which that United States has lived up to the five fundamental promises of the Declaration of Independence: equality, rights, liberty, opportunity, democracy. A moderate amount of reading is assigned outside of class each week as the background for in-class activities, group projects, debates, and discussions. Students will be required to complete two semester-long projects during the year, mostly completed outside of class.

AP UNITED STATES HISTORY (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: At least a B+ Grade in AP World History or an A- in World History with the recommendation of the Grade 10 World History teacher and Grade 10 English teacher.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
AP U.S. History is a rigorous, in-depth study of the of the American experience, from pre-Columbian civilizations through 21st century. The AP U.S. History course prepares students for intermediate and advanced college courses and requires a significant amount of reading, writing, and researching outside of class and demands a significant amount of study throughout the year. Students will learn to access historical materials — their relevance to a given interpretative problem, reliability, and importance — and to weigh evidence and interpretations presented in historical scholarship. A special emphasis will be given to preparation for the AP Exam, including historical writing through comparative essays of continuity and change over time, cause and effect, and comparison and contrast as well as document-based questions (DBQ) and objective evaluations.
AP HUMAN GEOGRAPHY (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: World History or AP World History
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. The course takes a thematic approach to the study of geography, employing case studies to study topics such as population and migration, cultural patterns and processes, and cities and urban land use in depth. Students will employ spatial concepts and landscape analysis to examine how human societies and organizations have had an environmental impact. You will also learn about the methods and tools geographers use in their research and applications. A moderate amount of reading is assigned outside of class each week as the background for in-class activities, group projects, debates, and discussions. Students will be required to complete a semester-long research project, mostly completed outside of class. A special emphasis will be given to preparation for the AP Exam.

PHILOSOPHY (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: World History or A.P. World History
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
Can human beings be rational? Is the scientific method really as reliable as we are led to believe? How can we know? Can I ever be sure what is “out there”? Could I be dreaming? Do objects continue to exist when no one is observing them? Does God exist? What is the mind? Do I have a soul? How can we be sure that other people aren’t just sophisticated robots? What makes an action right or wrong? How should we live? How should we treat others? What is equality? What is freedom? Are there any circumstances in which you should break the law? What is philosophy?
Philosophy at THIS is an exploration of the questions above, and is open to students who have successfully completed 10th grade. Students will not only draw on philosophical works but also use insights from psychology, anthropology, and history. An overarching question pursued throughout the whole course will be: how can we deconstruct what it means to be human, and then reconstruct our ideas to build a more flexible and humane understanding of the world around us and its people? Classes will take the form of seminars based on core readings. Coursework will consist of quizzes, essays, presentations and class discussions.

*Philosophy will not be offered during the 2018-19 school year. It will be offered again the following year.
ECONOMICS (1 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
Economics introduces students to the fundamentals of both microeconomics and macroeconomics. Through interactive role-playing, case studies, group projects, some lecture, and examining current events, students come to understand the world of money, banking, global trade, personal financial choices, investments, and more. Some research and preparation for activities and/or cumulative projects will be required, but the textbook is very manageable and most of the work will be completed in class.

AP MACRO-ECONOMICS (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
AP Macroeconomics emphasizes economic principles as applied to the economy as a whole. Topics discussed will reflect the material included in the booklet AP Economics Course Description from the College Board. Lessons include an analysis of national income and its components, economic indicators, inflation and unemployment, money and banking, stabilization policies, and the United States and world trade. The course requires a significant amount of conceptual analysis, computation, textbook reading, and problem sets. Students will learn through a variety of collaborative activities to lead them to larger understanding of macroeconomic principals. Students will devote many hours each week outside of class to this course for reading the challenging textbook.

FOUNDATIONS OF MODERN CHINA (1 credit)
GRADE LEVEL: 12
PREREQUISITES: World History or A.P. World History
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
Foundations of Modern China will take a thematic approach to examine topics surrounding the world’s oldest superpower’s emergence into the modern era. From the late 18th century to the present day, China has grappled with a host of issues ranging from industrialization, urbanization, changing demographics, 20th century globalization, McDonalds, and rock and roll. Through understanding these issues we will set out to answer the question, “has modernity really changed China, or has China changed modernity?”
DIGITAL ETHNOGRAPHY: CONTEMPORARY ITALY (1/2 credit)
GRADE LEVEL: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
In Digital Ethnography: Contemporary Italy, students in grades 10-12 will have the opportunity to research individually-selected topics of interest at the intersection of culture, technology, and the arts in the stunning context of contemporary Italy. Students will work with teachers in the social studies, technology, and visual arts departments to develop skills they will utilize over an approximately two-week homestay and exploration of the sights, sounds, culture and people of cities such as Rome, Florence, Brescia, and Milan. Students will meet with relevant teachers prior to the trip to Italy for skill-building sessions and to identify research targets. After returning to THIS, students will analyze and craft their research into ethnographic films, presentations or new media applications ideal for including in admission portfolios.

Please note in order to earn credit for this course you must attend the approximately 10-day trip to Italy which has an expected additional travel cost of 25,000RMB

FOUNDATIONS OF PEACE STUDIES (1/2 credit)
GRADE LEVEL: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Do you see yourself as a peacemaker, or a change agent, or a conflict resolution expert, or an international development practitioner? If your answer is yes, then this is the course for you. Peace Studies is not only the study of the concept of peace, but also the investigation into societal change and the power dynamics that underpin that change. This course gives you the fundamental skills to be able to deliberate the various dimensions and dynamics of peace, the meaning, nature and causes of conflict and their coexistence from an interdisciplinary perspective – philosophically, sociologically, politically, socio-economically. It examines theories of peace, conflict and change. By the end of the semester, you will be able to carry out conflict analysis and understand ways of transforming conflict towards making, building and keeping peace. The last phase of this course will focus on the processes and skills involved in post-conflict reconstruction and rehabilitation. Lessons will take the format of case studies, seminars, and presentations, peppered with lectures.
Do you know what it means to be forced out of your own home, never certain to return? Do you know how it feels to be unsure as to whether you will ever see your family again? Can you devise an innovative policy to positively transform international practice and the lives of over 22 million people who experience this cruel situation? If you are ready to tackle compelling global challenges, then this course is for you. The global refugee crisis is not only a grim reminder of humanity’s gravest challenges, but also a harsh reflection of the social construction of international realities. Refugee Studies examines many of these challenges beginning with who is a refugee, and reasons for the forced movement of people across international borders, to the processes and politics of seeking asylum, and solutions and responses to the refugee crisis. Be prepared to take a virtual trip on the path of a refugee, and understand the dynamics of the many inhumane challenges they face. Through a multidimensional perspective of international relations, international law, politics, and socio-economic concerns, the course provides an opportunity to devise policy strategies that respond to the crisis. The course also equips you with the skills to examine international relations and practices, international humanitarian and human rights laws, and related theories and concepts.
Mathematics

Students are placed in appropriate Math courses based on need, interest, skills, grades, test scores and teacher recommendation.

GEOMETRY (1 credit)
GRADE LEVEL: 9
PREREQUISITES: Successful Completion of Algebra 1
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED—Unless taking Advanced Geometry
In Geometry, students will understand lines, triangles, quadrilaterals, polygons, circles, and other geometrical concepts such as congruence, similarity, area, and volume. The connection of algebra and geometry through coordinates will also be explored. The role of proofs in mathematics will be noted. Some of the most important skills this course has to offer include formulating a logical and clear argument, thinking visually or pictorially, seeing mathematical problems from various perspectives and applying geometry to real world problems.

ADVANCED GEOMETRY (1 credit)
GRADE LEVEL: 9
PREREQUISITES: Current students must have finished Algebra 1 with a minimum of an A-grade and teacher’s recommendation. A diagnostic test may also be used. New students will take a diagnostic test.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
In Advanced Geometry, students will understand lines, triangles, quadrilaterals, polygons, circles, and other geometrical concepts such as congruence, similarity, area, and volume. Students will undertake an introduction to Trigonometry. The connection of algebra and geometry through coordinates will also be explored. The role of proofs in mathematics will be emphasized. Some of the most important skills this course has to offer you include
formulating a logical and clear argument, thinking visually or pictorially and seeing mathematical problems from various perspectives.

**ALGEBRA II (1 credit)**
GRADE LEVEL: 10
PREREQUISITES: Successful Completion of Algebra 1 and Geometry
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED — Unless taking Advanced Algebra II OR Algebra II/Trigonometry
This course aims to apply and extend what students have learned in previous mathematics courses. Included in this course is the study of functions (quadratic, exponential, inverse, rational, absolute and polynomial), a brief look at non-functional graphs and probability. Students will learn how to write, solve, and graph all of the functions and represent them in multiple representations of graphs, tables, equations, and contexts. Students will develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others, and communicate mathematical ideas clearly. This course is usually a college requirement, but also leads to awareness of mathematics in our society.

**ADVANCED ALGEBRA II (1 credit)**
GRADE LEVEL: 10
PREREQUISITES: Successful Completion of Algebra 1 and Geometry and Recommendation of the Previous Math Teacher
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED—Unless taking Algebra II OR Algebra II/Trigonometry
This course aims to apply and extend what students have learned in previous mathematics courses. Included in this course is the study of functions (linear, quadratic, exponential, inverse, logarithmic, trigonometric, and polynomial) as well as a brief discussion of sequences/series, and probability as time allows. Students will learn how to write, solve, and graph all of the functions and represent them in multiple representations of graphs, tables, equations, and contexts. Students will develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others, and communicate mathematical ideas clearly. This course is usually a college requirement, but also leads to awareness of mathematics in our society.
ALGEBRA II/TRIGONOMETRY (1 credit)
GRADE LEVEL: 10
PREREQUISITIES: Minimum of an A- in Algebra 1 and Geometry Teacher’s recommendation; diagnostic test for new students or when necessary.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
Algebra II/Trigonometry course is an accelerated course to prepare more advanced students for taking AP Calculus. Topics covered include equations, inequalities and mathematical Modeling; functions and their graphs; polynomial functions; rational functions and conics; exponential and logarithmic functions; trigonometry, systems of equations and inequalities, matrices, etc. We emphasize conceptual understanding and problem solving throughout the course. Self-motivation is the key to success. Approximately an hour per night is required to review the content and finish homework.

APPLIED MATH (1 credit)
GRADE LEVELS: 11,12
PREREQUISITES: Successful Completion of Algebra II
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
The primary audience for Applied Math is juniors and seniors who are taking the course after completing Algebra II and/or Pre-calculus. The course content aligns with the College Readiness Mathematics Standards so that students will be prepared for college-level math coursework in business administration, economics, politics, technical fields, and statistics in the natural and social sciences.
Applied Math is an explorative, rigorous, and hands-on course focused on building fluency with mathematical patterns and practices in situations such as: Analyzing global statistics using World Bank data to predict trends; Economizing business models to reduce costs and increase profits; Managing a stock portfolio strategically to optimize investments; Exploring famous historical math challenges and their modern significance
Essential Questions: What are the patterns of our world and how can they be predicted? How do 21st century leaders strategically use data? Where does math lead to innovations and development in human society?

PRE-CALCULUS (1 credit)
GRADE LEVELS: 11,12
PREREQUISITES: Students must have successfully completed Algebra II
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
Pre-calculus prepares you to take a rigorous Calculus course. Topics include finding the area under a curve, exponentials and logarithms, trigonometry, limits, advanced algebraic topics, We emphasize conceptual understanding, classroom discussion and problem solving in this
course. Students are encouraged to construct their own knowledge through study teams and activities. This course will be organized as an investigative and assisted discovery learning course.

CALCULUS (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: Current students must have finished Algebra II or PreCalculus with a minimum of a B grade and teacher’s recommendation. New students need to take a diagnostic test.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
Calculus is offered to 11th and 12th grade students who meet the prerequisite requirements. In this course, we plan to study the most important ideas in Calculus, including limits, functions, derivatives, and integrals. Students find derivatives algebraically and numerically, represent derivatives graphically, and interpret the meaning of a derivative in applications. Previously studied functions will be analyzed using calculus concepts. The relationship between the derivative and the definite integral is developed as well. Applications of Calculus in economics, ecology, physics and other fields will be explored.

AP CALCULUS AB (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: Current students must have finished PreCalculus, Algebra II/Trigonometry or Calculus with a minimum of A- and teacher’s recommendation. A diagnostic test will also be used. New students need to take a diagnostic test.
NUMBER OF SEMESTERS: 2 Eight class periods per six day cycle.
COURSE DESCRIPTION:
AP Calculus AB is limited to 11th-and-12th-grade students who meet the prerequisite requirements. This is a rigorous college level course (equivalent to ¾ of a year of college level calculus) that will require a minimum of 90 minutes of time per night including weekends. In our AP Calculus AB course, we study every topic area included in the College Board AP Calculus AB Course Description including limits, functions, derivatives and integrals, etc. Class time will emphasize conceptual understanding, discussion and problem-solving while review of the concepts and more problem-solving will be done for homework.
AP CALCULUS BC (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: Current students must have finished PreCalculus, Algebra II/Trigonometry or Calculus with a minimum of A and teacher’s recommendation. A diagnostic test will also be used. New students need to take a diagnostic test. Students who have successfully finished AP Calculus AB with a minimum of a B grade can also enroll in this course.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
AP Calculus BC is limited to 11th and 12th grade students who meet the prerequisite requirements. In AP Calculus BC course, we study every topic area mentioned in the College Board AP Calculus BC Course Description, including limits, functions, derivatives, integrals, and infinite series. We will put emphasis on both conceptual understanding and problem solving. This is a rigorous college level course (equivalent to a year of college level calculus). A strong math background and willingness to work hard is essential for success in this course.

AP STATISTICS (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: Teacher’s recommendation; student has successfully finished Algebra II. Proficiency in reading and writing English is also a must.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION:
AP Statistics is limited to 11th- and- 12th-grade students who meet the prerequisite requirements. This is a rigorous college level course that will require a minimum of 90 minutes of time per night including weekends. In the AP Statistics course, students are introduced to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Because of the practical nature of the AP Statistics course, students are encouraged to construct their own knowledge through group work and activities.

INTRODUCTION TO LINEAR ALGEBRA (1 credit)
GRADE LEVEL: 12
PREREQUISITE: AP Calculus AB or BC
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE (E)QUAL TO AN AP COURSE
In this course we will start from the topics we learned in algebra 2 such as linear systems, matrices, and bring them to a new height with abstraction of mathematical notation and concepts. The operations of matrices, the concepts of vector space, linear independence, linear transformations, and eigenvalue problems will be carefully studied. Applications of linear algebra in other fields will be an integral part of the course. Math software will be used extensively.
Students are placed in the appropriate level based on skills, test scores, fluency and teacher recommendation.

中文 9 年级（1 学分）
适用年级：9A
学期：2
课程描述：必修

本课程的主要目标是要初步奠定学生的文学基础，为提高学生的文学修养和审美能力做好准备。学生将会提升搜集整理资料能力、文本分析能力、演讲能力和写作能力。本课程依据不同主题分为八个单元：情感与意象（现代诗歌），提要钩玄（古代叙事散文），品人与品文（记叙散文），博观约取（新闻、报告文学），情趣与理趣（中外抒情散文），含英咀华（诗经、楚辞、汉魏六朝诗歌），情景交融（古代抒情散文），对话与交流（演讲辞）。课程学习主要通过课堂教学、小组讨论与合作、创意写作及与中国传统节日的互动进行。主要涉及的文学作品包括：《雨巷》、《再别康桥》、《荆轲刺秦王》、《小狗包弟》、《荷塘月色》、《离骚》、《兰亭集序》等。本课程也会补充阅读大量与课程主题相关的作家作品，并进行《给孩子的诗》和《世说新语》的名著导读。
CHINESE 9A (1 credit)
GRADE LEVEL: 9A
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
The main objectives of this class are to lay a foundation of literacy in the students and prepare students to analyze and deeply understand Chinese literature as well as evaluate their aesthetic qualities. Students will develop skills including: research skills, text analysis, public speaking, and literary writing. Our class is divided into 8 units according to theme: modern poetry, Chinese classic narrative prose, modern narrative prose, news and reports, Chinese and foreign lyrical prose, pre-Qin and Han-Wei period poetry, Chinese classic lyrical prose, and famous speeches. We will gauge student’s understanding through a range of methods, including classroom instruction, group discussion and collaboration, creative writing, and activities organized around Chinese traditional festivals. We will cover major works of Chinese literature including: Rain Alley, Farewell to Cambridge Again, The Emperor And The Assassin, Little Dog Called Baodi, The Lotus Pool by Moonlight, Lisao, and Orchid Pavilion. Our class will also read a variety of literary works related to the themes we are studying, and guide students to read two masterworks: Poems for Children and A New Account of Tales of The World.

中文 9 年级 (1 学分)
适用年级：9B
学期：2
课程描述：必修
本课程将学习运动与健身，食品与时尚，学校与家庭，节庆与风俗，旅游与交通，人与自然，人与社会，汉语言与文字，名人与历史，文学与艺术等主题单元。学生将掌握听、说、读、写的语言技巧；写作课则着重于学校和社会生活中的应用写作，如邮件、公告和海报等。本课程还将对中国语言和古典文学做初步的介绍。授课方式有老师讲授，小组活动，包括一对一分享、小组讨论、学生展示、同伴评价、视频展示、文化项目展示、辩论、写作等。

CHINESE 9B (1 credit)
GRADE LEVEL: 9B
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
This course will be conducted in thematic units like sports and fitness, food and fashion, school and family, festivals and customs, travel and transportation, man and nature, people and society, Chinese language and characters, famous people and history, literature and arts. Students will learn the linguistic skills in listening, speaking, reading and writing. The writing class will emphasize the practical writing in school and social life, like letter, announcement, and poster. The course also provides an introduction to literary Chinese and ancient Chinese literature. Besides teacher lectures, many group activities are used, including pair-sharing,
group discussion, student presentations, peer critiques, video projects, cultural projects, debates, writing composition.

**Chinese 10A (1 credit)**

**Grade Level:** 10A  
**Number of Semesters:** 2  
**Course Description:** Required

The main objectives of this course are to let students experience the express power of different literary forms, to cultivate their analytical ability and appreciation for different literary forms, and to improve their aesthetic temperament and interest, through reading traditional and modern classic articles. The teaching objectives will be implemented through readings, discussions, poems with music, performances, posters, poetry with painting, thematic composition and free writing. The class is student-centered, and emphasizes group cooperation and critical thinking. Students will be given process evaluation from different aspects: class activities, quizzes, homework, midterms and final exams. This course consists of distinct topic units, such as Chinese and foreign novels, Chinese and foreign dramas, argumentation, T’ang poetry and Song-Ci, ancient biography, ancient argumentation and natural science essays. In addition, we will provide supplemental works which are related to the topics or writers in the textbook, and guide students to read the Chinese classics literature “Romance of the Three Kingdoms” to expand their reading horizons.
中文 10 年级 B 班 (1 学分)
适用年级：10B
学期：2
课程描述：必修
10 年级中文 B 班的课程目标是通过大量的读写材料提高学生的语言能力和跨文化理解能力。课程包括三个核心主题：社会关系、交流与媒体和全球化议题，以及五个主题：文化多样性、风俗与传统、健康、休闲和科学与技术。这些话题专门为已经有了一定中文学习基础的同学设计的。

CHINESE 10B (1 credit)
GRADE LEVEL: 10B
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
The 10B Chinese course aims to develop students language skills and intercultural understanding through the study of a range of written and spoken language materials. We prepare three core areas for the course study: social relationships, communication and media global issues and five options: cultural diversity customs and traditions health leisure science and technology. These topics are designed for students who have some previous learning of Chinese.

中文 11 年级 (1 学分)
年级层次：11A
学期数：2
课程描述：
本课程主要目标是增强学生对古代抒情散文、诗歌、经典名著、文学评论、科学小论文和中国现代小说的鉴赏与理解能力。学生须了解文学作品背后的历史文化背景，体会作者内心情感，掌握主要的写作技能，学习中国历史和文化。我们将通过阅读、讨论、观看纪录片、演讲、海报、创意写作等方式达成以上目标。学生将被要求共同合作，以形成稳固的课堂团队。学生成绩测评以课堂活动、课堂作业和测验、家庭作业、阅读与写作、海报、期中考试、期末考试等形式为主。11 年级学习的文学作品有：沈从文的《边城》，陶渊明、王勃、白居易、朱光潜、钱钟书、梁思成、林庚等人的诗歌或散文。同时，我们也将内对四大名著之一的《水浒传》进行导读。
CHINESE 11A (1 credit)
GRADE LEVEL: 11A
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
The main objective of this class is for students to enhance the appreciation and understanding of ancient lyric prose, poems, classic novels, literary criticisms and scientific essays. Students are supposed to know some history and cultural background of the literary works, to understand the inner emotions of the authors, to grasp main skills of literary writing, and to learn Chinese history and culture. We will do this through reading books, discussions, watching documentary, public speaking, projects, compositions and creative writing. The students will be asked to work together in groups to create our classroom community. We will gauge students’ understanding by class activities, classwork&quiz, homework, reading, writing, projects, mid-team test and final test. Chinese 11 focuses on these literary works: Border Town by Shen Congwen, ancient Chinese poetry, prose and articles written by Tao Yuanming, Wang Bo, Bai Juyi, Zhu Guangqian, Qian Zhongshu, Liang Sicheng, Lin Geng etc. Moreover, we will provide students with reading guidance about Water Margin in the class.

中文 12 年级 (1 学分)
适用年级：12A
学期：2
课程描述：必修
本课程将系统研读近代清华学人的代表作品及传记文章，感受清华学人崇高的人格魅力和精神追求，在中文课堂上传承清华精神。此外，还将关注海外华人以及港澳台文化名人的文章及传记，感受域外中国人以及港澳台文化人的生活和情感。在此基础上，本课程还将增加课内“名著导读”环节，上学期导读钱钟书先生的经典之作《围城》，下学期导读林语堂先生的经典作品《京华烟云》。此外，本课程还将推荐学生阅读大量清华、海外学人以及港澳台知名作家的作品。在阅读与鉴赏活动中，让学生不断充实精神生活，完善自我人格，提升人生境界；让学生能据不同的目的和要求，陈述自己的看法，表达真情实感；让学生能够通过批判性阅读，发现问题并进行探究式学习，撰写毕业论文，并通过小组合作完成近代清华与近代中国关系研究的图文长卷。课程学习主要通过课堂教学、小组合作、读书分享、论文撰写，以及中国文化主题活动等多种方式进行，以提高学生的综合实践能力，探究能力以及创新能力。
CHINESE 12A (1 credit)
GRADE LEVEL: 12A
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
The main objective of this class is for students to learn the articles of Tsinghua ancestors, be inspired by the great spirits, and know the essence of Chinese traditional culture. In addition, this course will focus on works of writing produced by and biographies on overseas Chinese, and cultural celebrities from Hong Kong, Macau, and Taiwan, to understand their livelihoods and sensations. On this basis, the course will include a "Famous Works" section where students will read Qian Zhongshu's masterpiece Fortress Besieged, and Lin Yutang's classic Moment in Peking. This course will also include a list of recommendations by Tsinghua and non-Chinese-mainland authors. By encouraging reading and literary appreciation, students will not only be able to have improved aesthetic transcendence on the state of life, but also shape their literary opinion, encourage critical reading, and engage in research-based learning as they complete their senior thesis and Tsinghua and modern Chinese history projects. The course will mainly be based in multiple ways including classroom lectures, group work, shared reading, thesis-writing, and explorations in Chinese culture, to improve the practical literary, research, and innovative skills of students.

中文 12 年级 B 班 (1 学分)
适用年级 : 12B
学期 : 2
课程描述 : 必修
12 年级 B 班
本课程将以语言知识、语言技能为主，同时注重学生在跨文化社会中适当地运用语言。学生将有机会体会中国文化在节日习俗、社会习俗、古代文学和古典艺术中的美。学生在课堂活动中的表现将被算入整个学年的成绩评价体系，比如讨论自己在学习和生活中遇到的文化差异，口头介绍中国传统文化以及体验跨文化交际项目等。

CHINESE 12B (1 credit)
GRADE LEVEL: 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
This course will put emphasis on linguistic knowledge, linguistic skills, and cultural awareness, with the former two functioning as the basis. Cultural awareness guarantees the development of students’ appropriate use of a language in a cross cultural society. Students will have chance to experience the beauty of Chinese culture in festival customs, social conventions, ancient literature and arts. Students’ performance in the class activities will be included into the grade of the school year, like a group discussion of the cultural difference which
encountered in their studying and living in China, a traditional culture presentation and a project relates to the cross-cultural experience.

**AP CHINESE (1 credit)**
**GRADE LEVELS: 11, 12**
**PREREQUISITES:** Student must have earned at least an A- in his/her previous Chinese class and recommendation by teacher. *Native speakers of Chinese are not eligible for this course!*
**NUMBER OF SEMESTERS: 2**
**COURSE DESCRIPTION: ELECTIVE**
This is a full-year course for intermediate level of Chinese because the course is conducted entirely in Chinese. The course will help you with the language skills and culture. You will develop your Chinese proficiency through exposure to a broad range of Chinese resources which are authentic and carefully adapted, including menus, recipes, notices, signs, articles from newspapers, magazine articles, interview transcripts, letters, and essays. There will be an emphasis on traditional culture and research. You will have a chance to get to know China, which is rich in traditions and culture thousands of years old!

**中国历史 9 年级 (1/2 学分）**
**适用年级：9**
**学期：2**
**课程描述：必修**
本课程的主要目标是让学生了解基本的中国历史，并在历史和国际语境中初步的理解中国历史。学生将会学习到著名的历史人物与事件，并通过历史的发展脉络了解他们自己，也将用历史的眼光看待现今的社会。我们的课程按照年代顺序划分为以下单元：史前时代、先秦、秦汉、南北朝、隋唐、宋代、明清，近代史和中华人民共和国的建立。本课程将通过课堂活动、中国传统节日、小组讨论和小组合作等多种方式，提升学生的理解，锻炼学生的能力。授课语言会根据学生的语言能力的不同而进行改变。我们的推荐书目包括《中国国号的故事》、《故都与城市》以及《史家陈寅恪传》。

**CHINESE HISTORY 9 (1/2 credit)**
**GRADE LEVEL: 9**
**NUMBER OF SEMESTERS: 2**
**COURSE DESCRIPTION: REQUIRED**
The main objectives of this class are to give students a foundation of Chinese history and prepare them with an understanding of Chinese history in a historical and international context. Students will learn about notable historical figures and stories, familiarize themselves with the context of historical developments, and link history with modern day society. Our class is divided into the following units according to their chronological order:
the Prehistoric era, the Pre-Qin era, the Qin and Han dynasties, the Northern and Southern dynasties, the apogee of Chinese civilization and society in Sui and Tang dynasties, the Song dynasty, the crisis of the Ming and Qing dynasties, and lastly the events of Modern China and the founding of the PRC. We will gauge the student’s understanding and ability through a number of methods, including activities organized around Chinese traditional festivals, and group discussion and collaborative projects. Classroom lectures are differentiated and diversified according to language ability. Our recommended book titles include: The Story about Title of a Reigning Dynasties, Ancient Capitals and Cities, The Historian Chenyinque.

中国历史九年级 B 班 ( 1/2 学分 )
适用年级：9B
学期：2
课程表描述：必修
你想知道五千年的中华文明是如何起源的吗？想了解孔子这位大思想家生活在怎样的时代吗？想了解巍峨的长城是在怎样的环境下建造起来的吗？想知道沟通中外的丝绸之路是怎样兴起的吗？想知道最真实的三国故事吗？......九年级 B 班的中国历史课将以 A Chinese History Reader 为教材，与你一起探索浩瀚的中国历史知识。我们将学习从传说中的黄帝炎帝时期到三国时期的历史知识，了解中国先民的伟大创造，初步认识灿烂辉煌的中华文明。

Chinese History 9B(1/2 CREDIT)
GRADE LEVEL:9B
NUMBERS OF SEMESTER:2
COURSE DESCRIPTION: REQUIRED
Do you want to know the very beginning of 5000-year Chinese civilization? Do you want to explore the time of Confucius? Do you want to know why the Great Wall is built? Do you want to know how the Silk Road, which connected China and Europe, started? Do you want to know the stories of the Three Kingdoms period? ... In Grade 9 Chinese History class B, we use A Chinese History Reader as our textbook. You will explore the Chinese history from the legends of Huang Di and Yan Di, to the Three Kingdoms period. You will have a preliminary understanding of the glorious and resplendent Chinese civilization.

中国历史 10/11/12 ( 1/2 学分 每学期 )
适用年级：10/11/12
学期：1 或 2
课程描述：选修

本课程主要目的是使同学们在了解中国历史重大进程的基础上理解中国历史的发展趋势与发展连续性。同学们在课程中将锻炼他们的批判思维能力，历史分析能力和写作能力。第一学期，我们将根据主题分成以下单元：中国历史疆域的变化，重大社会改革，现代考古发现，选拔人才制度的变化。第二学期将阅读关于近现代中国的著作。我们的成绩测评方式包括：论文、小组讨论、课堂报告等形式。本课程的推荐书目包括《中国近代史》，《袁氏当国》，《天朝的崩溃》等。

**CHINESE HISTORY 10/11/12 (1/2 credit each semester)**

**GRADE LEVELS: 10,11,12**

**NUMBER OF SEMESTERS: 1 or 2**

**COURSE DESCRIPTION: ELECTIVE**

The main objectives of this class are for students to understand important processes within Chinese history, and each specific historical development, in order to understand trends, continuities, and changes within Chinese history. Students will develop their skills of critical thinking, historical analysis and writing. In semester one, the units are based upon the following themes: territorial expansion and change, important social, economic, and structural reforms, modern archaeological discoveries, abnormal inheritances of the throne and changes within the Keju and Chinese meritocracy (the examination system that had defined Chinese government for over a millennium). The second semester is based on the reading of notable academic works about modern Chinese history. We will gauge students’ understanding though a range of assessments including: essays, group discussions, class presentations, and collaborative projects. Our recommended book titles include: The Rise of Modern China, The Collapse of Qing Dynasty, Yuan Shikai owns China.
Physical Education & Health

**P.E. & HEALTH (1 credit)**
**GRADE LEVEL: 9**
**NUMBER OF SEMESTERS: 2**
**COURSE DESCRIPTION: REQUIRED**

Physical Education is a physically active class aiming to promote fundamental movement skills in a variety of game settings. Students will experience individual and team activities that incorporate principles of movement. Students are graded on their daily participation score, as well as performance, skills, attitudes and knowledge on sports and activities. Grade 9 Physical Education also allows students to explore activities that are new to all students as we encourage all students to find and discover activities to enjoy for the rest of their lives. The goal of the physical education program is to develop the skills, knowledge and motivation to ensure that active students become healthy adults.

The Grade 9 Physical Education course will be combined with Health Education. The health course focuses on valuable information to promote healthy living and practical situations that students will encounter as they move into adulthood. Topics include physical health, psychological wellbeing, nutrition and exercise, drug and alcohol abuse, sexual education and other healthy living topics. Health education will be ongoing throughout the year but subject to change based on the weather when Physical Education may not be available.
SPORTS MANAGEMENT (1/2 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Sports Management is open to students in grades 10 -12. Class time will emphasize preparation, organization, management skills and teamwork. In sports management class students take part in organizing and managing special school and athletic events such as THIS Sports Day, the THIS Athletics Banquet, and athletic events hosted by the school. This course will build a strong foundation in organizational skills and provide the students an understanding of what it takes to organize and manage various events. Students will be required to participate in out of class hours to support the Athletics Program at THIS.

OUTDOOR EDUCATION (1/2 credit) Students must pay trip fees for this course.
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Outdoor Education will be open to grades 10-12. Students will be responsible for planning, organizing and managing class excursions. These excursions will usually take place on weekends or holidays. Classroom time will be spent organizing the excursions, preparing directions and maps, planning and preparing menus, managing camping equipment and all the logistics regarding the trip. Students will also learn general skills & abilities related to the outdoor experience like how to use a compass, first aid techniques, emergency knots & indoor climbing. The course is also committed to teach students the general skill of the outdoor life and how to enjoy it in a safe way at all times, but also learn from it.

ULTIMATE SPORTS (1/2 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Ultimate Sports will be open from grade 10-12. Students will follow a learner-centered model which aims to provide an understanding of the fundamental technical and tactical skills necessary to be successful in a wide variety of sports. A key aim of the course is to provide students with the motivation and competence to continue participating in sport throughout their adult life.
Emphasis will be placed on the common crossovers of skills and strategies between sports. Students will also explore how the skills they use and develop in sports (Leadership, teamwork, planning etc) can be applied to other real-world situations. Class time will focus on individual skill development, small lead up games and large group games aimed at improving understanding.
FITNESS 1 (1/2 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Fitness 1 will be open to grades 10-12. This is an introductory course of moderate intensity, developing a foundation in both aerobic and anaerobic fitness geared towards long-term health and wellbeing. A lot of emphases will be placed on the importance of form and how to build a suitable program for our own individual needs.
Class time will focus on a variety of training methods such as running, core training, functional training, conditioning and introduction to weight lifting. Time outside of class will be spent producing personalized workout plans and following progress made throughout the course.

ADVANCED FITNESS (1/2 credit)
GRADE LEVELS: 10, 11, 12
PREREQUISITE: Strength Training Course
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Fitness 2 will be open to grades 10-12. This is a physically intensive course focused on both aerobic and anaerobic fitness geared towards sports/athletic performance. Students will learn about current training methods and concepts, the positive effects of high-level fitness training, and how to personalize a workout to fit their athletic/sporting needs.
Class time will focus on a variety of training methods including running, core training, functional training, conditioning and strength training. Time outside of class will be spent producing personalized workout plans and following progress made throughout the course.
The Arts

MUSIC COURSES

CHOIR LEVELS 1, 2, 3, and 4 (1 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Strong interest in singing and an audition.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
Classes will consist of warm ups, developing singing skills in a choir setting, sight-reading skills, and will focus on rehearsals and performances. Students are expected to attend extra rehearsals if necessary. Audition required: (1) Students will sing one song of their choice, and (2) sight sing a short passage. According to the level and style of their singing, students will be divided into different voice groups in class.

BAND LEVELS 1, 2, 3, and 4 (1 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: At least one year of playing a wind or percussion instrument
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
Want to continue playing in the band? Are you new to the school and already know how to play an instrument and can’t wait to play with your new friends? This is the class for you! You will continue playing your chosen instrument in an ensemble, playing more challenging and fun music. You can also pick up a secondary instrument for the good of the ensemble (like bass clarinet, bari sax, piccolo, or tuba).
High School Band will further your abilities in playing ensemble music. You will learn accurate playing techniques, dynamics and articulations for many styles of music. You will learn proper practice and performance techniques both as soloist and as a member of ensembles. You will perform in both the Winter and Arts Festival concerts as well as other assemblies and lunch performances throughout the year.

**BEGINNING INSTRUMENTAL MUSIC (1 credit)**
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: None
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
Learn to play an instrument other than guitar or piano (guitar and piano are offered in other classes). Instruction offered in wind and percussion instruments leading to participation in the high school band. Other options include strings and Chinese instruments as independent study under supervision. Students will learn accurate playing techniques, how to read notation, dynamics and articulations. Students will learn proper practice and performance techniques both as soloists and as members of ensembles.

**PIANO Levels 1, 2, 3 and 4 (1/2 credit)**
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Students must be able to read scores and learn pieces independently. An audition is required.
CAPACITY OF THE CLASS IS DEPENDENT ON THE NUMBER OF AVAILABLE PIANOS.
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
You will improve your techniques, and learn to collaborate with others. You will play solos, duets, and ensemble pieces that will include popular and classical music. Learning the skills associated with accompaniment will be a part of your curriculum as well.

**BEGINNING GUITAR (1/2 credit)**
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: None
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
The course is designed to introduce students to the guitar through individual and group performance. Students will learn and improve technical skills necessary for playing the guitar in a variety of styles, including tablature and staff notation reading. Both classical melodic and accompanimental chord-style playing will be explored. No experience of any kind is required, as the course is designed for beginners.
VISUAL ARTS COURSES

FOUNDATIONS OF ART (1/2 credit)
GRADE LEVELS: 9,10,11,12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: REQUIRED
The objective of this course is to help you develop a basic understanding of technical skills while encouraging creative investigation of formal and conceptual ideas. The course will emphasize making art as an ongoing process that involves critical thinking and risk taking. You will have the opportunity to work in many mediums including: painting, drawing, printmaking, mixed media, textiles, and sculpture. Your ability will be demonstrated by your capacity to respond, analyze and interpret your own artwork and the work of others through discussions, critiques, and writings.

INTRODUCTION TO SCULPTURE (1/2 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITE: Foundations of Art
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
This course will explore the various materials used to create sculpture including; clay, wood, plaster, foam and mixed media. You will learn how to manipulate these materials and use sculpting tools safely. You will also analyze other works of sculpture through reading, discussion and critique and examine geometric, abstract and organic forms. You will work on individual projects tailored to your interests and experience. Critiques will be an integral part of the course. Throughout, you will be encouraged to develop new approaches to your work. Focus will be placed on expression through a well-developed sense of three dimensional design.

INTRODUCTION TO PAINTING (1/2 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITE: Foundations of Art
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
This course is an introduction to painting using acrylic and oil paint. You will learn to paint a still life, portrait, landscape and abstract painting. Drawing skills will be emphasized and reviewed as well as color theory. You will also learn about historical artists as you explore painting techniques.
ART HISTORY SURVEY (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: Foundations of Art and one other high school level art elective. Strong interest in history, art, or a creative pursuit that may relate to their college education.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
This course is designed to give you a survey understanding of art history and its shaping of culture. You will be encouraged to explore the ideas and contexts of art making throughout modern history. Learning will be done through student and teacher lead critiques, period based projects, research and writing. Emphasis of the course is not just awareness of specific art movements, but a well-rounded understanding of artist’s intent, and how their ideas either emerged from or shaped the world around them and our world today.

EASTERN ART I AND II (1/2 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: NONE
NUMBER OF SEMESTERS: 1 SEMESTER PER COURSE
COURSE DESCRIPTION: ELECTIVE
In Eastern Art I class you will learn woodcut, Traditional Chinese Painting “ShanShui Painting”, Ceramics, and Grotto sculpture. In Eastern Art II class you will learn Traditional Chinese Painting “GongBi Painting”, Seal cutting, Dunhuang frescoes and Folk art. You will learn art skills through design projects, experiencing traditional forms of art while building a deeper understanding about the tradition and cultural context of Chinese art.

* The instructional language for this course is Chinese.

CERAMICS (1/2 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Foundations of Digital Art
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
In this class you will learn how to handle the clay to create bowls, plates, lanterns, vases and some original sculptures. You will learn how to make plaster molds for reproducing pieces. You will also understand the firing process and how to combine different glazes to produce amazing colorful effects and textures. Working with clay is the closest thing to being an alchemist!
THEATRE COURSES

ADVANCED ACTING (1/2 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
BRIEF COURSE DESCRIPTION: ELECTIVE
Advanced Acting is open to 9th, 10th, 11th, and 12th grade students who want to learn more about the performance art of “modern realistic acting”. The focus of Advanced Acting is to develop basic acting skills, while promoting individual student growth. Each student will practice acting skills such as movement, voice control, characterization, etc. The student will also understand theatre discipline and responsibility, as well the overall workings of a theatre – from script writing to staging a formal production. To understand “modern theatre”, we will also touch upon theatre history and cultural genres of theatre.

FROM IMPROV TO SCENE CREATION (1/2 credit)
GRADE LEVEL: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
BRIEF COURSE DESCRIPTION: ELECTIVE
From Improv to Scene Creation is open to 9th, 10th, 11th, and 12th grade students who wish to learn more about the performance art known as “improvisation”. Students will learn and practice improv techniques and skills. They will learn how to improv and “workshop” an idea to the point where it is ready to record in a formalized script. In addition, students will study published scripts to understand the conventions of formal script writing.
Modern World Languages & ESL

SPANISH I (1 credit)
GRADE LEVELS: 9, 10, 11
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE—Must take a minimum of Spanish I and Spanish II
“The hitchhiker’s guide for Spanish.” Did you know that today Spanish is the second most taught language in the world after English? Did you know that it has more native speakers than any other language in the world except for Mandarin? If your English and Mandarin are already good enough, why not make the perfect trio with Spanish? In the Spanish 1 class, you’ll get your very first taste of the language and culture shared by 450 million of native speakers in 24 countries in 4 continents. You will learn how to introduce and talk about yourself, how to order food, how to ask for directions and how to share a little bit of your own culture and, above all, how to make friends in Spanish!

SPANISH II (1 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Successful Completion of Spanish I
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
“Disney’s Spanish”. This is an introduction to the magical world of fairy tales and storytelling in Spanish. If you can tell a story, you can share your dreams, your adventures, your experience and your life with other people. Do you want to start reading your first Spanish fiction works or write your last summer’s adventures in Spanish? Besides learning how to do that, we are going to take Spanish into a whole new level with more complex real life situations, more information about the Spanish speaking world and more opportunities of making new friends and learning more about them.
SPANISH III (1 credit)
GRADE LEVELS: 10, 11, 12
PREREQUISITES: Successful Completion of all previous levels of Spanish.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
“Let’s debate!” Do you really want to speak some high level Spanish? Participate in conversations and express your own unique ideas and feelings to 6% percent of earth’s population in their own native language? Let’s debate in Spanish with students all over the world. Let’s read and write articles and essays in Spanish. Let’s explore the web looking for those ideas that are shaping the destinies of more than 24 nations. Let’s see how we can sometimes jump from Spanish to other romance languages like Italian, Portuguese and French. In one phrase: let’s take Spanish to the ultimate level.

SPANISH IV (1 credit)
GRADE LEVEL: 11, 12
PREREQUISITES: Successful Completion of Spanish III
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
Are you willing to have real conversations with native Spanish speakers, to understand different types of accents, to differentiate cultural aspects among Hispanic communities? The Spanish IV program will allow you to understand the main ideas of complex texts on both concrete and abstract topics, interact with a degree of fluency and spontaneity that facilitate regular interaction with native speakers, produce clear, detailed texts on a wide range of subjects, and explain a viewpoint by giving the advantages and disadvantages of various options.

FRENCH I (1 credit)
GRADE LEVELS: 9,10,11
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE – Must take a minimum of French I and II.
Parlez-vous Français? In French I you will learn to speak the most basic of French language. You will learn to:

• Talk about yourself.
• Talk about common topics as hobbies, sports, cinema etc.
• Ask for information when travelling, shopping or going to the restaurant.
• Learn about French speaking countries.

You will of course also learn the basic grammar in order to be able to write small postcards or invitations to your friends in French. The course focuses on the four macro skills: speaking, listening, reading and writing. However, there is also the opportunity to work with some creative projects.
We use the book system Taxi 1, and by the end of the school year most of you will be able to pass the DELF A1 test, an international recognized test based on the European Standards (CEFR), and receive a diploma for the skills you have achieved.

**FRENCH II (1 credit)**
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: French I
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE

*Maintenant tu parles Français!* In French II you will expand your vocabulary, grammar and knowledge about French speaking culture. You will also improve your ability to understand and participate in conversations in French so that a French native speaker could understand you. The course builds and adds on to French I. You will learn to:

- Talk more detailed about yourself.
- Talk about more complex common themes as leisure time, past experiences and the future.
- Ask for and express information and opinions.
- Learn about French speaking countries through authentic materials.
- Read French books.

You will continue to learn grammar, and now you will start writing small hand-ins and essays in French. The course focuses on the skills speaking, listening, reading and writing. However, there is also the opportunity to work with some creative projects.

We use the book system Taxi 1 and 2, and by the end of the school year most of you will be able to pass the DELF A2 test, an international recognized test based on the European Standards (CEFR), and receive a diploma for the skills you have achieved.

By now you enjoy French so much that you want to continue in French III.

**FRENCH III (1 credit)**
GRADE LEVELS: 10, 11, 12
PREREQUISITES: French II
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE

*Allez les violets! *...pas les bleus! By now you already master a lot of French, and French III adds on to all communicative skills: speaking, listening, reading and writing.

You will learn to:

- Describe and present certain topics and themes as well as give longer summaries.
- Write a structured essay.
- Read an authentic French texts.
We use the book system Taxi 2 and 3, and by the end of the school year all students are able to pass the DELF A2 and some of you can go for the advanced B1 diploma, an international recognized test based on the European Standards (CEFR). The course is however mainly topic based which means that we collaborate to find the topics we want to work with. It could be:

- Fairy tales
- Le petit Prince
- Le Maghreb
- DOM TOM
- Les Bandes Dessinés
- La littérature
- L’existentialisme
- Les Films

Only our own imagination sets the framework.
Of course now you simply have to move on the French IV.

**FRENCH IV (1 credit)**
**GRADE LEVELS:** 11, 12  
**PREREQUISITES:** French III  
**NUMBER OF SEMESTERS:** 2  
**COURSE DESCRIPTION:** ELECTIVE  
**Parlons-y!** In French IV we shall have real conversations about current topics building on authentic material. We shall watch French news emissions, read French newspaper articles and go in depth with French literature. You will learn to:

- Present a certain topic.
- Explain a point of view giving advantages and disadvantages.
- Write a longer coherent text a native speaker can understand.

All the grammar you have learned you will practice in oral and written communication. The focus is on all four skills as the previous courses: speaking, listening, reading and writing. In French IV we decide together what we want to work with and how. Bien venu!

**LINGUISTICS (1/2 credit)**
**GRADE LEVELS:** 11, 12  
**PREREQUISITES:** Interest in Language Acquisition.  
**NUMBER OF SEMESTERS:** 1  
**COURSE DESCRIPTION:** ELECTIVE  
Are you one of those people who dream of speaking many languages? Or do you want just to understand better those languages that you already know and have a better spelling, a better grammar and a better essay writing? Linguistics can help you to do this and much more! There are more than six thousand languages on earth today, and they can all be approached using...
similar methods. How English is related to Swahili and Korean to Japanese? How can I use Chinese to learn Portuguese? How can I learn two languages and only be studying one? How can I have a perfect pronunciation in any foreign language? All the questions that you’ve ever had about language will be discussed in this class.

**BILINGUAL TRANSLATION (1/2 credit)**

**GRADE LEVELS:** 9,10,11,12  
**NUMBER OF SEMESTERS:** 1  
**COURSE DESCRIPTION:** ELECTIVE

Is there a causal relationship between “Good Good Study” and “Day Day Up”? Is that the sure way to stand out among the “People Mountain People Sea”? If comparisons between Chinese and English have ever occupied your mind, this class is for you. Plus, you get to speak Chinese AND English during the same class.

This class provides structured guidance for students to develop their bilingual literacy in Chinese and English through translation. The majority of the class sessions will be in workshop format in which students work with practical problems in translation between Chinese and English. Supplemental texts in translation theories will be provided and discussed in class once students have made progress in their own theory building and testing. The ultimate goal is for students to be more aware of their own language use in both Chinese and English, and have some interesting experiences playing with the translation process.

**ENGLISH LANGUAGE SUPPORT  **9, 10** (1 credit)**

**GRADE LEVELS:** 9, 10  
**NUMBER OF SEMESTERS:** 2  
**COURSE DESCRIPTION:** ELECTIVE—Required of students who are working to become proficient in English

This course is designed to focus on English Language skills related to reading, writing, speaking and listening that are necessary to become proficient in English. ELS primarily supports the English/Language Arts curriculum but develops academic vocabulary, explores topics across the core subjects and helps students develop proficiency in the use of a variety of essay structures.
Computer Technology

The Computer Technology Department supports and encourages students to responsibly integrate computer technologies into their studies. The department strives to help students become intelligent, efficient, and independent users of computer technology. Courses are not only designed to help students learn the basic technological skills necessary to thrive in today's working environment, but they are also designed to enable independent and creative exploration into the various possibilities of technology and media.

INTRODUCTION TO COMPUTER SCIENCE (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies.
ROBOTICS I EV3 (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITE EV3: NONE
COURSE DESCRIPTION: ELECTIVE
This course provides an introduction to robotics for students with no programming background using LEGO MINDSTORMS EV3 kits. Students will learn to construct, control and program these robots through investigative and exploration activities and projects that fully integrate science, technology, engineering, and math concepts (STEM), while prompting creative problem solving, communication, and teamwork.
Students will learn the basics of gears to help them apply physical science and math principles to build effective robots. They will also progress through a series of missions in which they investigate, observe, calculate, and apply their knowledge to solve specific tasks.

ROBOTICS II VEX EDR (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITE EV3: Introduction to Computer Science
COURSE DESCRIPTION: ELECTIVE
VEX EDR Robotics is designed to provide concrete, contextualized lessons that seamlessly integrate grade level mathematics, programming and engineering activities for students. Students will start off learning engineering, problem solving, and programming skills. Using the VEX Robotics Design System, students will build robots, participate in engineering challenges, and work both on their own and in groups. Students will gain hands-on experience by learning to design their robots, program in ROBOTC, Graphical ROBOTC and participating in virtual and real world challenges.
Students will also explore important STEM fundamentals and computer science concepts, and as such, students will engage in a series of fun challenges that put their skills to the test.

WEB DESIGN (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: None
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
This course provides a comprehensive introduction to the essentials of web design, from planning page layouts to publishing a complete site to the web. Students learn how to use HTML to design their own web pages. The course covers basic HTML tags, CSS and JavaScript, as well as more advanced HTML5 tags. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools.
FOUNDATIONS OF DIGITAL ART (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: None
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
This semester-long course serves as an overview of the other various digital art electives available at THIS. Students will be provided with an opportunity to experiment with new technologies and digital platforms and will gain a basic understanding of video production, digital photography, game design, iOS development, 3-D modeling, and/or graphic design. Foundations of Digital Arts is a pre-requisite for all other digital arts courses.

DESKTOP PUBLISHING (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: None
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
This course provides hands-on instruction to develop students’ understanding of desktop publishing using Microsoft Office Suite, pdf professional and the Internet. Topics covered include basic concepts, layout and good form, research, creating a presentation, using templates, and working with text, fonts, clip-art, drawings, and photographs. Students are required to design a variety of presentations as well as printed works indicative of their competence and typical of those found in business and industry as part of their portfolio.

AP COMPUTER SCIENCE A (1 Credit)
GRADE LEVELS: 10, 11, 12
PREREQUISITES: Intro to Computer Science
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
The AP Computer Science “A” course is designed to provide students with a learning experience equivalent to that of an introductory college course in Computer Science. The AP Computer Science A course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and includes the study of data structures, design, and abstraction, and Java programming language.

*** Will not be taught during the 2018-19 school year.
AP COMPUTER SCIENCE PRINCIPLES (1 CREDIT)
GRADE LEVELS: 10, 11, 12
PREREQUISITE: Intro to Computer Science or Web Design
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: ELECTIVE
AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

DIGITAL PHOTOGRAPHY (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Foundations of Digital Art
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Throughout this semester-long course, students will gain hands-on experience in the creation of various photography projects. From composition to visual language, exposure to white balance, students will use digital cameras and professional photo editing software in order to take their own photos and visually communicate their own ideas.

MOBILE APP DESIGN AND DEVELOPMENT (1/2 Credit)
Grade Level: 9, 10, 11, 12
PREREQUISITES: Intro to Computer Science and Foundations of Digital Art
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
This course aims to enable students to design and develop mobile apps for iPhone and iPad devices. Students will utilize Swift programming language and Apple’s Xcode development tool to build mobile apps from scratch to equip students to independently produce fully functional app prototypes.

DIGITAL VIDEO (1/2 Credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Foundations of Digital Art
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: ELECTIVE
Throughout this semester-long course, students will gain hands-on experience in the creation of various short multimedia projects. From scriptwriting to editing, framing to camera movement, students will use digital cameras and professional editing software in order to
write/plan/shoot/edit their own stories. Example projects include documentary films, narrative films, animation, music videos, and more.

**INTERACTIVE MEDIA (1/2 Credit)**

**GRADE LEVEL:** 9, 10, 11, 12  
**PREREQUISITE:** FOUNDATIONS OF DIGITAL ART  
**NUMBER OF SEMESTERS:** 1  
**COURSE DESCRIPTION:** ELECTIVE  
Throughout this semester-long course, students will build upon the hands-on video production and storytelling skills acquired in Digital Video. Students will explore new ways to tell stories in interactive ways with an emphasis on how media is produced/shared in today's online world. Examples of projects include non-linear films and map-based video projects.
Independent Study

A Grade 12 student is eligible to participate in an independent study course if he/she has completed most of the requirements for graduation has a minimum of a 3.25 GPA and has an area in which he/she wishes to concentrate and study in depth. This course must be rigorous and add to the level of learning of the student. It cannot take the place of a required or elective course and is not an AP self-study course.

Independent Studies courses will involve a student working with a teacher to develop the course syllabus and expectations for the year. The teacher and student will meet regularly to focus on the research and project development.

Students must meet with the Academic Vice Principal for written permission to initiate the planning of an independent study course and a second time to have the course outline approved.
Collaboration
Discovery
Engagement
Spartan Spirit
Cultural Diversity