清華大學附屬中學 国际部
Tsinghua International School

High School Program of Study

2026-2027

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MISSION STATEMENT

Tsinghua International School fosters creative critical thinkers who have roots in China and are 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 have a moral responsibility for self-improvement in service of the well-being of Chinese society and for world development. Tsinghua Spirit directs and guides the THIS community of joyful learners—students, parents, teachers and staff--as we cultivate our core values:

Wellbeing — Building healthy bodies and minds through habits that lead to a positive self-image and an active, productive life.

Integrity — Nurturing a strong moral character and social responsibility by adhering to the highest standards of conduct in public and private life.

Respect — Cultivating a global awareness and an open mind by honoring ourselves and others through welcoming differences while embracing the richness of Chinese culture.

Leadership — Developing and enacting a vision that makes positive contributions in service to our school, local, and global communities

Collaboration — Working with people with diverse identities to solve problems and achieve goals through sharing our gifts, strengths, and perspectives.

Innovation — Seeking out meaningful learning experiences that spark our curiosity to develop creative responses to challenges and opportunities.

GRADUATION REQUIREMENTS

To graduate, a student must complete an accepted program of study including mandatory courses in each content area as well as a minimum number of additional courses. In addition, a student must attend THIS for his or her entire senior year, meet the class attendance requirements, and carry a full load of courses each semester.

The Program of Study graduation requirements that follow 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

Department/Subject	Minimum Requirements	Recommended for University
English	4.0	4.0
Chinese	4.0	4.0
Mathematics	4.0	4.0
Science	4.0	4.0
Social Studies	4.0	4.0
Fine Arts	1.0	1.0
Performing Arts (Music and Theater)	1.0	1.0
Technology	1.0	1.0
Physical Education & Health	1.0	2.0
Additional Credits	4	5
Minimum Credit Totals	**28**	**30**

PROMOTION POLICY

A high school student may not fail two or more year-long core classes in a respective year. Students needing to make up four or more semesters of core courses will be retained in the same grade as the previous year. Core classes include Math, Science, English, Chinese, and Social Studies. If a student fails a core course, it must be made up in one of the following ways:

- Students should make up the course(s) through the approved institute. Parents must pay for the course(s). Students should work with the Head of Secondary and their college counselor to register for the course.
- Students must make up lab-based Science and Chinese courses at THIS during the regular school year.

ADVANCED PLACEMENT (AP) PROGRAM

Advanced Placement courses are developed by the College Board and provide students with exposure to both the level and quality of work expected at the collegiate level. Students are instructed at a freshman college level, so AP Courses require a substantial commitment of time and effort by the student. It is not uncommon for students to spend an average of 1-2 hours per night on homework for an AP course. They also prepare students to take the AP examinations in May for potential college credit. Students and families are encouraged to consult their college counselor on whether Advanced Placement courses are awarded college credits by specific colleges/universities and at what level of performance. Many college websites post this information.

The following information pertains to enrollment in AP courses.

1) Students must demonstrate a high level of English and academic proficiency for all courses
2) Students wishing to enroll in AP courses must show an aptitude and interest in that subject. Specific prerequisites for each course, as set out in the Course Catalogue, must be fulfilled.
3) In G9 students may take AP Computer Science Principles if they meet the prerequisites. In G10 students may take up to 2 APs, 3 APs in G11 and 3 APs in G12. **The exception to this rule will be considered for students who have demonstrated superior academic potential in high school (at least a 3.8 GPA), across all courses and have received signed approval from the Academic Principal.**
4) To take an AP exam at THIS, students must be enrolled in an AP course at THIS or through the outsourced institution only with approval from the Academic Principal. <u>THIS does not allow students to take an AP test without taking the course at THIS or at an approved institution</u>. Exception is allowed in the following instances:
    - Students can take the tests for AP Physics C Mechanical and AP Physics C EM without taking the courses if they have already taken AP Physics I and/or AP Physics II and AP Calculus BC.
    - Since the school has added AP Microeconomics to the course selection, students are no longer allowed to take the exam without doing the course. (Due to this change affecting seniors, for this school year only, seniors will be exempted and able to take both exams if they are enrolled in either AP Microeconomics or AP Macroeconomics.)
    - In certain cases, exceptions may be considered for seniors depending on their college needs, but only if the respective senior, a returning high school student, meets the needed academic proficiency:
        - 3.5 GPA in grades 9, 10 and 11
        - must not have previous records of credit recovery
    - If students disregard the rule and take AP courses outside the school at an institution of their own choice, the course grades will not be included in the transcript or reflected in the GPA. Only AP courses taken at THIS will be included in the official school transcript and reflected in the GPA. **If a student takes a course from an outside institution, it will not be provided on the THIS transcript, nor will it be included in the GPA calculation of the student.**
5) Students enrolled in AP courses <u>must</u> take the AP exam in May.
6) Students must pay the complete exam fee by the first quarter of the school year in which they are enrolled in the course.
7) The exam score is not part of the final grade for the course. Final course assessments may include teacher-made examinations, portfolios, or projects.
8) Chinese Language and Culture does not count towards the overall AP load.
9) UL Linear Algebra and UL Multivariable Calculus is not a College Board AP course but is a college-level course that counts towards the annual AP course load.
10) AP Pre-Calculus does not count towards the AP limit and does not give a GPA bump. It is offered to align the curriculum better to prepare students to transition into AP Calculus AB.

AP Courses Offered*:

G9	Computer Science Principles		
G10-12	Art and Design Business with Personal Finance Computer Science Principles Computer Science A Human Geography Microeconomics Physics 1 World History	Biology Calculus AB Calculus BC Chemistry Chinese Language and Culture English Language and Composition English Literature and Composition Environmental Science Macroeconomics Physics 2 Pre-Calculus Psychology Statistics US History	G11-12

**For Further information about AP courses, including course descriptions, please go to http://apcentral.collegeboard.org*

REQUIRED COURSES AT EACH GRADE LEVEL

GRADE 9 – Chinese A or B – English Language Arts 9 – Geometry or Advanced Geometry – Humanities – Biology – Physical Education & Health – High School Enrichment – Chinese History 9	**GRADE 11** – Chinese A or AP Chinese (non-native speakers only.) – World Literature, English Seminar, AP Literature and Composition or AP Language and Composition – AP Pre-Calc/Pre-Calc, AP Calculus AB or AP Calculus BC – US History, AP Macroeconomics, AP Psychology, AP Human Geography, or AP Microeconomics – Physics, AP Physics 1
GRADE 10 – Chinese A or B – English Language Arts 10 – Algebra II or Algebra II/Trigonometry – World History or AP World History – Chemistry	**GRADE 12** – Chinese A or B – World Literature, English Seminar, AP Literature and Composition or AP Language and Composition – Statistics, AP Statistics, Liner Algebra, Multivariable Calculus, AP Calculus AB, or AP Calculus BC, Calculus C – Additional Social Studies Course – Additional Science Course

REQUIRED ADDITIONAL SCIENCE COURSE

Students must complete one additional science credit. This credit may be completed in grade 10, 11 or 12.

Students may choose from the following AP science courses:

- AP Biology
- AP Chemistry
- AP Physics 1, 2
- AP Environmental Science
- Introduction to Astronomy and Earth Science

REQUIRED ADDITIONAL SOCIAL STUDIES COURSE

Students must complete one additional social studies credit. This credit may be completed in grade 10, 11 or 12.

Students may choose from the following courses:

- AP Human Geography
- AP Macroeconomics
- AP Microeconomics
- AP Psychology
- AP US History
- Foundations of Modern China

REQUIRED ADDITIONAL CREDITS

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

- Fine Arts
- Performing Arts
- Technology
- Physical Education (mandatory in grade 9)

Students should be aware that full year 5x a week courses are 1 credit per year (0.5 per semester), and full year courses with either 2x or 3x a week are 0.5 credits for the year (0.25 per semester). Students should plan accordingly. Courses may be offered or cancelled each year based on student need, interest, and teacher qualifications.

CHOICES BY CONTENT AREA

FINE ARTS - AP Art and Design - Ceramics I-II - Digital Photography - Digital Visual Arts - Drawing - Eastern Art I-II - Filmmaking - Foundations of Art (prerequisite for visual arts courses except Ceramics & Eastern Art) - Foundations of Digital Art - Painting I-II - Experimental Media - Digital Portfolio	**TECHNOLOGY** - AP Computer Science Principles - AP Computer Science A - Digital Animation - Digital Design & Fabrication - Introduction to AI - Robotics - STEAM - Mobile App Development
PERFORMING ARTS - Acting - Band - Advanced Band - Choir - Improv Theatre - Piano I-IV	

- Music Composition - Movement and Dance - Musical Theatre	

ENGLISH LANGUAGE ARTS

<u>ENGLISH LANGUAGE ARTS</u> (1 credit per year)
GRADE LEVEL: 9, 10
NUMBER OF SEMESTERS: 2 each year
COURSE DESCRIPTION: <u>REQUIRED</u>
English Language Arts provides a focus on strategies for close, strategic reading and purposeful writing, as well as providing students with able opportunities to practice their speaking and listening skills. Students will immerse themselves in new novels and literary nonfiction while having meaningful discussions about these books with peers. They will continue the journey of becoming a writer by analyzing the tools writers use to make their work compelling and powerful and work to master these skills to elevate their writing.

<u>WORLD LITERATURE</u> (1 credit)
GRADE LEVEL: 11, 12
NUMBER OF SEMESTERS: 2 each year
COURSE DESCRIPTION: <u>REQUIRED</u> (IN GRADE 11 and 12, AP ENGLISH LANGUAGE AND COMPOSITION or AP ENGLISH LITERATURE AND COMPOSITION ALSO FULFILLS ENGLISH 11 REQUIREMENT)
What does it mean to be human, and how does that experience change across cultures, time periods, and perspectives?
In the World Literature and the Human Experience course, students will explore powerful texts from around the globe to better understand identity, culture, conflict, and connection. Through novels, short stories, speeches, poetry, and essays, this course examines how individuals and societies navigate universal themes such as belonging, power, injustice, love, tradition, and change.
Throughout the year, students will engage in close reading, discussion, and analytical writing while also developing their ability to think critically about diverse perspectives. Emphasis is placed on making connections between literature and real-world issues to encourage students to reflect on both global experiences and their own identities.
As Malala Yousafzai, education activist, reminds us, "One child, one teacher, one book, and one pen can change the world." This course invites students to see literature as more than just something to study, but also as a powerful tool for understanding, empathy, and change.

<u>ENGLISH SEMINAR</u> (1 credit)
GRADE LEVEL: 11, 12
PREREQUISITES: Students going into grade 11 must have a recommendation from their English teacher and an A average in Grade 10 English to be considered. Students going into grade 12 are required to have completed either World Literature or any of the English AP courses.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: <u>REQUIRED</u>, (IN GRADE 11 and 12, AP ENGLISH LANGUAGE AND COMPOSITION or AP ENGLISH LITERATURE AND COMPOSITION ALSO FULFILLS ENGLISH 11 REQUIREMENT)
The English Seminar course is a journey, both deeply personal and focused on universal communication principles of the English language, guided by the student's own area of expertise. Throughout the year, students will study foundational texts on how to approach the arts of reading

and writing in a rigorous and independent mode, while independently constructing a complex understanding of a topic of their own design. This expertise will not merely sit on the page, but be challenged, refined, and ultimately lead to a self-determined, purposeful end.

Diogenes of Sinope famously pronounced that no labor is of value, but those labors which produce courage and strength of the soul. In English Seminar, students will learn to challenge their presuppositions, brave the critique of their peers, and chisel from their unhewen selves one wiser.

AP ENGLISH LANGUAGE AND COMPOSITION (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: A- average in the previous English course and teacher recommendation from English Language and Social Studies
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE ENGLISH 11 OR ENGLISH 12 REQUIREMENT
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 various literary and stylistic devices used in classical western texts. Students will also learn to read a range of non-fiction genres, including essays, letters, speeches, news articles, 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 60 minutes of homework per night.

AP ENGLISH LITERATURE AND COMPOSITION (1 credit)
GRADE LEVEL: 11, 12
PREREQUISITES: Teacher recommendation, A average in previous English course, diagnostic test
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE ENGLISH 11 OR ENGLISH 12 REQUIREMENT
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 smaller-scale elements such 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. This is a college-level course that requires an average of 60 minutes of homework per night.

CREATIVE WRITING (0.25 credit)
GRADE LEVEL: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT
This course will inspire students to explore the art of creative writing while discovering and refining their unique voice. Over the academic year, students will engage in a variety of writing styles, including personal narratives, poetry, fiction, nonfiction, and scriptwriting. The course will provide opportunities to experiment with language, develop compelling characters, and build immersive worlds, while also exploring cultural diversity and global storytelling traditions. It will culminate in the creation of a polished portfolio showcasing each student's best work. By the end of the course,

students will have developed the skills and confidence needed to express themselves through writing, whether as aspiring authors, poets, journalists, or storytellers.

SCIENCE

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 health issues, 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, 12
PREREQUISITES: A- average in grade 9 Biology course, and teacher recommendations from Biology, Chemistry and English teacher.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: FULFILLS THE ADDITIONAL SCIENCE REQUIREMENT
AP Biology is a rigorous and demanding course designed to challenge and inspire students who have a strong interest in biological sciences. This course provides a comprehensive overview of essential biological concepts, mechanisms, and processes, mirroring the intensity and breadth of an introductory college biology course to which is equivalent. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. It demands a high level of critical thinking, analytical skills, and a willingness to engage in extensive self-study to master the challenging topics. 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 AP Biology curriculum encompasses four 'big ideas" that include evolution, cellular processes, genetics and information transfer and interactions. This is a college-level course that requires an average of four to six hours per week.

AP ENVIRONMENTAL SCIENCE (1 credit)
GRADE LEVEL: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: A- average in previous science courses, and recommendation from a science teacher and an English teacher.
COURSE DESCRIPTION: FULFILLS THE ADDITIONAL SCIENCE REQUIREMENT
AP Environmental Science (APES) is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. This is a college-level course that requires an average of 30 minutes of homework per night.

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
COURSE DESCRIPTION: FULFILLS THE ADDITIONAL SCIENCE REQUIREMENT
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 chemicals 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 is a college-level course that requires an average of 30 minutes of homework per night.

PHYSICS (1 credit)
GRADE LEVEL: 11
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED UNLESS TAKING AP PHYSICS 1 or AP PHYSICS 2
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 1 and 2 (1 credit each year)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2 each year
PREREQUISITES:
AP Physics 1: A- in previous science course and teacher recommendation. A- and above in geometry and should be concurrently taking Advanced Algebra 2 or higher math course. A- and above in previous English course with demonstrated strong literacy proficiency. Grade 10 students are required to take a diagnostic test.
AP Physics 2: Must have taken AP Physics 1 and passed the AP Physics 1 exam. New students must get permission from the Academic Principal and pass the diagnostic.
COURSE DESCRIPTION: FULFILLS THE PHYSICS AND ADDITIONAL SCIENCE REQUIREMENTS
As the first component of a two full year AP Physics curriculum, 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-year AP Physics curriculum, 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.

INTRODUCTION TO ASTRONOMY AND EARTH SCIENCE (1 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITE: PREVIOUS HIGH SCHOOL SCIENCE COURSE
COURSE DESCRIPTION: FULFILLS THE ADDITIONAL SCIENCE REQUIREMENTS
This introductory elective course explores the universe and our planet through the lens of modern science. Students will trace the development of modern astronomy, from heliocentrism to contemporary observations, then survey the solar system's formation and dynamics. The course examines stellar structure, nucleosynthesis, and evolutionary pathways—from main-sequence stars to supernovae and compact remnants—alongside cosmic evolution, including galaxy formation and the expanding universe. Returning to Earth, students investigate the geosphere (plate tectonics, rock cycle), hydrosphere (ocean circulation, water resources), and atmosphere (composition, weather, climate), emphasizing their coupled interactions. The course concludes with an analysis of anthropogenic impacts, such as climate change, pollution, and resource depletion, integrating Earth system science perspectives. Through inquiry-based learning and data interpretation, students gain a holistic understanding of our cosmic and planetary environment.

SOCIAL STUDIES

AP BUSINESS WITH PERSONAL FINANCE (1 credit)
GRADE LEVEL: 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: Grade 10 students must have had an A in previous math and English or social studies course. Grade 11, 12 students must have had an A- in previous math and English or social studies courses. Teacher recommendation required.
COURSE DESCRIPTION (COURSE DOES NOT COUNT TOWARDS THE SOCIAL STUDIES REQUIREMENT; FULFILLS ADDITIONAL CREDIT REQUIREMENT)
The AP Business with Personal Finance framework is aligned with content and skills prioritized in college-level introductory business courses as well as the National Standards for Personal Financial Education created by the Council for Economic Education and the Jump$tart Coalition for Personal Financial Literacy. The framework is organized into five units that engage students in key business disciplines—entrepreneurship, marketing, finance, accounting, management, and strategy as well as in personal financial literacy—and integrates key skills throughout the course that students need to be successful in subsequent business courses. The focus of the framework is to support students in their learning of introductory business and personal finance content and skills.

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, to achieve an in-depth understanding of human behaviors and their impact on humanity. 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, their impact on human civilization is strengthened with a thorough study of the Holocaust 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 research projects – a historical research project in the first semester and an ethnographic research project including a field trip in the second semester.

MODERN WORLD HISTORY (1 credit)
GRADE LEVEL: 10
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING AP WORLD HISTORY
Modern World History spans the major events, movements, themes, advances, and other human history of the globe over 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 projects during the year, mostly completed outside of class.

AP WORLD HISTORY (1 credit)
GRADE LEVELS: 10
NUMBER OF SEMESTERS: 2
PREREQUISITES: Recommendation of the Grade 9 English and Humanities teachers. Due to the amount and complexity of the readings, English language and written composition levels must be proficient (at least A-).
COURSE DESCRIPTION: FULFILLS THE WORLD HISTORY REQUIREMENT
AP World History is a rigorous, college-level course designed to explore human history from 1250 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. This is a college-level course that requires up to 60 minutes of homework per day.

AP HUMAN GEOGRAPHY (1 credit)
GRADE LEVEL: 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: B and above in previous English Language and Social Studies courses together with recommendation from previous Social Studies teacher.
COURSE DESCRIPTION: FULFILLS SOCIAL STUDIES OR ADDITIONAL CREDIT REQUIREMENT
AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. This course covers a wide range of topics including population and migration, cultural patterns and process, political patterns and process, agriculture and rural land-use patterns, cities and urban land-use patterns, and industrial and economic development patterns. This course requires a significant amount of college-level reading, evaluation and interpretation of maps, graphs, and quantitative data.

AP PSYCHOLOGY (1 credit)
GRADE LEVEL: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: A- in English and at least a B in a previous Science course, including teacher recommendation from current English and Social Studies teachers.
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES OR ADDITIONAL CREDIT REQUIREMENT
This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. This is a college-level course with an average of 2 hours of homework per week.

AP MACROECONOMICS (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: A- average in previous English Language and Social Studies courses
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
AP Macroeconomics emphasizes economic principles as applied to the economy as a whole. The 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 a larger understanding of macroeconomic principles. Students will devote many hours each week outside of class to this course for reading the challenging textbook.

AP MICROECONOMICS (1 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: Students require an A- average in previous English and social studies course.
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economicconcepts.

UNITED STATES HISTORY (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: WORLD HISTORY OR AP WORLD HISTORY
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
This course takes a skills-based approach to the study of history. 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. Readings are 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.

AP UNITED STATES HISTORY (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: A- average in AP World History or another equivalent AP course (i.e. AP Human Geography, AP Language) or on the recommendation of the Grade 10 World History and English Language teachers.
COURSE DESCRIPTION: FULFILLS THE SOCIAL STUDIES REQUIREMENT
AP U.S. History is a rigorous, in-depth study 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 writing. 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. This course may require up to 60 minutes of homework per day.

FOUNDATIONS OF MODERN CHINA (1.0 credit)
GRADE LEVEL: 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: WORLD HISTORY OR AP WORLD HISTORY
COURSE DESCRIPTION: FULFILLS 0.5 ADDITIONAL CREDIT 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?"

MATHEMATICS

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

GEOMETRY (1 credit)
GRADE LEVEL: 9
NUMBER OF SEMESTERS: 2
PREREQUISITES: ALGEBRA 1
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
NUMBER OF SEMESTERS: 2
PREREQUISITES: ALGEBRA 1 with a minimum of an A- and teacher recommendation. All students are required to take a diagnostic.
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING GEOMETRY
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 2 (1 credit)
GRADE LEVEL: 10
NUMBER OF SEMESTERS: 2
PREREQUISITES: ALGEBRA 1 AND GEOMETRY. All students are required to take a diagnostic.
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING ADVANCED ALGEBRA 2/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 2/TRIGONOMETRY (1 credit)
GRADE LEVEL: 10
NUMBER OF SEMESTERS: 2
PREREQUISITIES: Minimum of an A- in ALGEBRA 1 and a recommendation from the Geometry teacher. All students are required to take a diagnostic.
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING ALGEBRA 2
Advanced Algebra 2/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; trigonometry, systems of equations and inequalities, matrices, etc. We emphasize conceptual understanding and problem solving throughout the course. Approximately an hour per night is required to review the content and finish homework.

AP CALCULUS AB (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: ADVANCED ALGEBRA 2/TRIGONOMETRY, or INTRODUCTION TO CALCULUS with a minimum of an A-, teacher recommendation, and diagnostic test. New students are required to take a diagnostic test.
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING CALCULUS, OR AP CALCULUS BC
AP Calculus AB is limited to students in grades 11 and 12 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 60 minutes of work 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, integrals, etc. Class time will emphasize conceptual understanding, discussion, and problem-solving while review of the concepts and additional problem-solving will be done for homework. Homework can take up to 60 minutes a day.

DISCRETE MATH (0.50 credit)
GRADE LEVEL: 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITE:
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENT
This course introduces students to the basic concepts and techniques of discrete mathematics, covering topics such as sets, logic, enumeration methods, probability, recurrence relations, induction

and graph theory, with an emphasis on problem solving and mathematical proofs. We will also look into numerous applications of discrete math across various fields, particularly in algorithms, cryptography, networking, and more.

AP CALCULUS BC (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: ADVANCED ALGEBRA 2/TRIGONOMETRY, or INTRODUCTION TO CALCULUS with a minimum of an A-, teacher recommendation, and diagnostic test. New students are required to take a diagnostic test. Students who have completed AP Calculus AB with a minimum of a B may also enroll in this course.
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING INTRODUCTION TO CALCULUS OR AP CALCULUS AB
AP Calculus BC is limited to students in grades 11 and 12 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. Students may need up to 60 minutes a day outside of class to study and complete homework.

AP PRECALCULUS (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: ALGEBRA 2 with a minimum score of a B and teacher recommendation. All students are required to take a diagnostic.
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING AP CALCULUS AB, OR AP CALCULUS BC
AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices.

PRECALCULUS (1 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: ALGEBRA 2
COURSE DESCRIPTION: REQUIRED
Precalculus is a comprehensive course that weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The contents include polynomial, rational, exponential, logarithmic, radical, trigonometric and inverse trigonometric functions and their applications; parametric and polar functions.

STATISTICS (1 credit)
GRADE LEVEL: 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: PRECALCULUS
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING AP STATISTICS, INTRO TO LINEAR ALGEBRA, AP CALCULUS AB, OR AP CALCULUS BC
Statistics is limited to students in grade 12. In this statistics course, students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will apply their knowledge about data and modeling to real world applications and problems. Because of

the practical nature of statistics, students are encouraged to construct their own knowledge through group work and activities.

AP STATISTICS (1 credit)
GRADE LEVELS: 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: A minimum of A- in ALGEBRA 2 and teacher recommendation. Proficiency in reading and writing with an A- in previous English Language course.
COURSE DESCRIPTION: REQUIRED, UNLESS TAKING STATISTICS, INTRO TO LINEAR ALGEBRA, MULTIVARIABLE CALCULUS, AP CALCULUS AB, OR AP CALCULUS BC
AP Statistics is limited to students in grade 12 who meet the prerequisite requirements. This is a rigorous college-level 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. Students should expect to do 60 minutes of homework per night.

UL - INTRODUCTION TO LINEAR ALGEBRA (1 credit)
GRADE LEVEL: 12
NUMBER OF SEMESTERS: 2
PREREQUISITE: AP CALCULUS AB OR BC and teacher recommendation.
COURSE DESCRIPTION: FULFILLS ADDITIONAL CREDIT REQUIREMENT; EQUAL TO AN AP COURSE
In this course we will start from the topics we learned in Algebra 2 such as linear systems, and 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.

UL – MULTIVARIABLE CALCULUS (1 credit)
GRADE LEVEL: 12
NUMBER OF SEMESTERS: 2
PREREQUISITE: AP CALCULUS AB OR BC and teacher recommendation.
COURSE DESCRIPTION: FULFILLS ADDITIONAL CREDIT REQUIREMENT; EQUAL TO AN AP COURSE
This is a college-level course designed for students who have successfully completed AP Calculus BC. The course provides a systematic study of limits, differentiation, and integration for functions of multiple variables.

Topics include vectors; lines, planes, curves, and surfaces in three-dimensional space; limits, continuity, and differentiation of multivariable functions; gradients, the chain rule, linear approximation, and optimization. Students will also explore double and triple integrals in various coordinate systems, as well as vector fields and vector calculus in two- and three-dimensional space, including line integrals, flux integrals, and major integration theorems such as Green's, Stokes', and the Divergence Theorem.

Throughout the course, students will apply these concepts to real-world problems drawn from physics, the biological sciences, economics, and other fields. In addition to developing computational proficiency, the course emphasizes deep conceptual understanding and advanced problem-solving skills.

CHINESE, LANGUAGE, CULTURE & HISTORY

Students are placed at the appropriate level based on skills, test scores, fluency, and teacher recommendation.

CHINESE 9A (1 credit) | 中文 9A（1 学分）
GRADE LEVEL: 9 | 适用年级：9
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修
The main objectives of this class are to lay a foundation of literacy 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. This class is divided into 8 units according to theme, such as modern poetry, Chinese classic narrative prose, modern narrative prose, news and reports, Chinese and foreign lyrical prose, and more. We will gauge student's understanding using a range of methods, including classroom instruction, group discussion and collaboration, creative writing, and activities organized around Chinese traditional festivals. Students will delve into 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*. Students will also read a variety of literary works related to the respective themes, including two masterpieces: *Poems for Children* and *A New Account of Tales of The World*.
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 9B (1 credit) | 中文 9B（1 学分）
GRADE LEVEL: 9 | 适用年级：9
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修
This course is designed in thematic units, such as 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 linguistic skills in listening, speaking, reading and writing. The writing component will emphasize practical writing in school and social life, like letters, announcements, and posters. The course also introduces literary Chinese and ancient Chinese literature. Besides lectures, group work, including discussion, student presentations, peer critiques, video projects, cultural projects, debates, and writing composition are used.
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 10A (1 credit) | 中文 10A（1 学分）
GRADE LEVEL: 9 | 适用年级：10
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修

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, Tang 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 literature classic *Romance of the Three Kingdoms* to expand their reading horizons.

本课程主要通过阅读鉴赏传统及现代的经典篇目，让学生体会不同文体语言的表达效果，培养文体分析和鉴赏的能力，提高审美情趣。课程将通过阅读、讨论、配乐诗朗诵、表演、海报、诗配画、专题作文和自由创作等方式实现教学目标。课堂以学生为中心，强调小组合作和批判性思维。课程将从课堂活动、课堂作业、课堂测试、家庭作业、期中期末考试等方面对学生进行过程性评价。课程以中外小说、中外戏剧、随笔杂文、唐诗宋词、古代人物传记、古代议论性散文、自然科学小论文分单元，展开专题教学。此外，本课程将补充与课程主题和作家相关的作品，并进行中国古典名著《三国演义》的导读，以拓展学生的阅读视野。

CHINESE 10B (1 credit) | 中文 10B（1 学分）
GRADE LEVEL: 9 | 适用年级：10
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修

The curriculum of Grade 10 Chinese class B is student-centered, focusing on the cultivation of students' comprehensive ability of listening, speaking, reading, and writing, integrating the core concepts of Communicative approach and Task-based Language Teaching. We practice Thematic Teaching in class. Each unit will have a common theme, and there will be four lessons under each theme. The themes include humanities, society, science and technology, nature, culture, characters, economy, history, geography, sports, life, art, military, and life philosophy. The selection of the content focuses on practicality, fun, standardization, authenticity and timeliness. We hope to help students achieve their learning goals smoothly, easily and efficiently with a scientific and rigorous attitude, and eventually improve their Chinese language level and the better understanding of Chinese culture.

10 年级中文 B 班的课程以学生为中心，注重培养学生的听说读写的综合能力，融入交际法和任务型语言教学的核心理念，进行主题式教学。每一个单元会有一个共同主题，每个主题下有四课。涵盖了人文、社会、科技、自然、文化、人物、经济、历史、地理、体育、生活、艺术、军事以及人生哲理等内容。语料的选取注重实用性、趣味性、规范性、真实性以及时效性。课文的长度也是呈现阶梯式的增长，做到循序渐进，逐渐提高。希望能够科学严谨，有针对性地帮助学生顺利、轻松、高效地达成学习目标，提高中文的语言水平，了解更多的中国文化。

CHINESE 11A (1 credit) | 中文 11A（1 学分）
GRADE LEVEL: 9 | 适用年级：11
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修
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 documentaries, 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, quizzes, homework, reading, writing, projects, a mid-team test, and a 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.
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，我们也将在课内对四大名著之一的《水浒传》进行导读。

AP CHINESE (1 credit) | AP 中文（1 学分）
GRADE LEVELS: 11 | 适用年级：11
PREREQUISITES: CHINESE 10B (native speakers of Chinese are not eligible for this course)
先修要求：中文 10B（本课程不适用于母语是中文的学生）
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修
This is a full-year intermediate level Chinese course, instructed entirely in Chinese. The course will help with the language skills and culture. Students will develop Chinese proficiency through exposure to a broad range of Chinese resources which are authentic and carefully adapted, including menus, recipes, notices, signs, newspapers and 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!
全中文授课，适用于中文达到中级水平的学生。课程目的是帮助学生学习中文语言和汉语文化。通过精心甄选一系列中文素材，如菜单、食谱、通知、标识牌、报纸刊物文章、访谈语录、通信文书、散文等，培养学生的中文熟练程度。课程将着重于传统文化探索与学习，带领学生了解中国，感受几千年来中国积累的深厚文化传统。

CHINESE 12A (1 credit) | 中文 12A（1 学分）
GRADE LEVEL: 9 | 适用年级：12
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修
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. The course will mainly be based in multiple instructional techniques 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.

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 12B (1 credit) | 中文 12B（1 学分）
GRADE LEVEL: 9 | 适用年级：12
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED | 课程描述：必修

The 12B Chinese course aims to develop student’s 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.

12 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，以及五个选修主题：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 HISTORY 9A (0.5 credit) | 中国历史 9 A（0.5 学分）
GRADE LEVEL: 9 | 适用年级：9
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENT| 课程描述：选修

After the May Fourth movement, China experienced military disorder, the Sino-Japanese war, the Chinese civil war. Afterwards, in 1949 China achieved a unified independence. How could a fractured China regain development to improve its citizens’ quality of life? How would China’s history impact its future development? In ninth grade, we will learn about China’s history--from 1919 to today. We will engage in deep discussions about China’s rich history and society.

五四运动之后的中国经历了军阀混战、抗日战争、解放战争，最终在 1949 年实现了国家的独立统一。百废待兴的新中国要走怎样的发展之路才能实现民族复兴？已经走过的路对未来中国的发展有什么启示？九年级我们将学习从 1919 年到今天的历史，深入探讨中国的历史与社会。

CHINESE HISTORY 9B (0.5 credit) | 中国历史 9 B（0.5 学分）
GRADE LEVEL: 9 | 适用年级：9
NUMBER OF SEMESTERS: 2 | 学期数：2
COURSE DESCRIPTION: REQUIRED PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENT| 课程描述：选修

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.

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？想知道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 (0.25 credit) | 中国历史（0.25 学分 每学期）
GRADE LEVELS: 10, 11, 12 | 适用年级：10、11、12
NUMBER OF SEMESTERS: 1 or 2 学期数：1 或 2
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENT| 课程描述：选修

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. Students' understanding will be gauged though a range of assessments including essays, group discussions, class presentations, and projects. Our recommended book titles include: *The Rise of Modern China, The Collapse of Qing Dynasty, Yuan Shikai Owns China.*

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。

HISTORICAL GEOGRAPHY OF CHINA (0.25 credit) | 历史的变量：中国历史地理探究（0.25 学分）
GRADE LEVELS: 10, 11, 12 | 适用年级：10、11、12
NUMBER OF SEMESTERS: 1 学期数：1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENT | 课程描述：选修

This course examines geographical changes across historical periods that are primarily caused or influenced by human activities. It will lead to an exploration of frontiers, phenology, transportation, urban geography, and geographical situations and strategies of history. Like the flapping of a

butterfly's wings, a single change can have historical ripple effect. In addition to honing skills in reading and analyzing historical data and images, this course will also strengthen your basics of historical geography.
本课程研究历史时期主要由人的活动而产生或影响的一切地理变化，将带领大家探索中国历史的疆域、物候、交通、城市地理、地理形势与战略等方面。如蝴蝶振翅一般，一个不起眼的变化也许就将对历史进行改写。我们既是史料的阅读者，也是数据图像的分析者。在本课上，你将学到历史地理的基础知识，并可以熟练运用它，为我们拨开时间的迷雾，多角度观察还原历史。

DEBATE AND CRITICAL WRITING (0.25 credit) | 辩论与批判性写作（0.25 学分）
GRADE LEVEL: 10, 11, 12 | 适用年级：10、11、12
NUMBER OF SEMESTERS: 1 | 学期数：1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENT | 课程描述：选修
Critical thinking is a tool of inquiry requiring reflective and constructive thought. In the modern world, critical thinking has become one of the most fundamental qualities required in students. This course aims to cultivate your critical thinking skills, aiding you in developing your character and perspective by investigating concepts including individualism versus collectivism, conformity versus sovereignty, doubt versus belief, and justice versus equality. This will include topics such as the death penalty and other controversial issues that will guide you to reflect and think critically about modern society. This course focuses on providing procedural writing guidance, developing critical thinking and perspective, and improving your logical reasoning. The practice of debate aims to shape your “independent spirit and free thought”.
批判性思维是一种反思性和建构性思维。在当今世界，批判性思维逐渐成为学生的核心素养之一。本课程旨在培养你的批判性思维，提升你的思维品质。在教学中主要以主题探究的方式进行教学，将会涉及到个人与国家，容忍与自由，怀疑与信仰，公平与公正、死刑存废等经典议题，也会引导学生对当前的社会热点问题进行批判性反思。本课程侧重于写作的过程化指导，侧重你的思维训练，侧重于你思维质量的提升和健全人格的培养，并在辩论的实操中，使你逐渐拥有“独立之精神，自由之思想”。

INTRODUCTION TO ZHOUYI (0.25 credit) | 《周易》导读（0.25 学分）
GRADE LEVEL: 10, 11, 12 | 适用年级：10、11、12
NUMBER OF SEMESTERS: 1 | 学期数：1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENT | 课程描述：选修
Zhouyi is one of the most influential classics in Chinese culture. Since the beginning of Han dynasty, Zhouyi has been recognized as the pinnacle among Confucian classics. It serves not only as the source of Confucianism and Taosim, but also the foundation of academic theories regarding traditional Chinese culture. This course will introduce the basic concepts of Zhouyi and help you understand the basic interpretation of Tai chi, the Eight-diagrams, and the Sixty-four hexagrams. You will read Yijing to understand the mathematical and imaginative thinking of Zhouyi and try to master its traditional ideology. You will also learn to practice divination in accordance with Zhouyi. To conclude, it aims to improve your comprehension and perception of traditional Chinese culture.
《周易》是影响中国文化最为深远的经典之一。自汉代以来，《周易》便被尊为群经之首，它既是儒、道两家哲学之源，也是中国传统文化各门学术基本理论的依据。本课程将会介绍《周易》的基本概念，带你了解太极、八卦、六十四卦的基本内涵，并在阅读《易经》与《易传》的过程中了解《周易》的数理思维和形象思维，把握其中蕴含着的传统的哲学思想。本课程亦会进行《周易》占筮方法的实操演练和卦象的释读。通过上述教学，以期提升你对于中国传统文化的理解与认知。

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION (1 credit)
GRADE LEVEL: 9
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED
Physical Education is an energetic, enthusiastic, and active class aiming to promote your fundamental movement skills in a variety of game settings and sports. Students will grow in proficiency in individual and team activities and sports that incorporate principles of movement, teamwork and communication and be active learners to engage and enjoy sports and life-long healthy habits. Grades will be calculated based on class participation, as well as performance, skills, attitudes, and knowledge in sports and activities. The goal of the physical education program is for you to develop your physical skills, knowledge, and motivation to ensure that active students transition into healthy adults. Combined with Health Education, our focus will be to deliver valuable information to promote healthy living through practical situations that students will encounter as they move into adulthood. Topics include physical health, psychological wellbeing, nutrition & exercise, and other health topics.

MARTIAL ARTS 1 (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS THE ADDITIONAL CREDIT REQUIREMENT
Martial Arts is a traditional Chinese sport that focuses on both internal and external training, mainly using martial arts movements and sequences, routines, and fighting movements. Through this traditional sport, students will enhance their coordination and physical fitness. It can also enhance their willpower and improve their ability to be more active.

MARTIAL ARTS 2 (0.25 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITES: MARTIAL ARTS
COURSE DESCRIPTION: PARTIALLY FULFILLS THE ADDITIONAL CREDIT REQUIREMENT
Martial Arts is a traditional Chinese sport that focuses on both internal and external training, mainly using martial arts movements and sequences, routines, and body movements. Through the advanced Martial Arts class, students will enhance their coordination, physical fitness, and psychological quality. It can also enhance their willpower. Students will be proficient in the use of basic martial arts skills, improve defense skills, tactics, and the use of traditional Martial Arts equipment, etc.

LIFELONG PHYSICAL EDUCATION (0.25 credit per semester)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS THE ADDITIONAL CREDIT REQUIREMENT
Offered every semester in electives A, B and D, this course is designed to promote lifelong fitness, health, and wellness for students in Grades 10, 11, and 12. Through a variety of individual and team-based activities, students will develop physical literacy, enhance their motor skills, and build a foundation for maintaining an active and healthy lifestyle. The course emphasizes the importance of physical activity, teamwork, sportsmanship, and personal goal setting. Students will participate in a range of activities, including but not limited to team sports, individual sports, fitness training, and recreational games. Additionally, the course will incorporate lessons on the physiological and psychological benefits of regular physical activity. Assessment will be based on skill development, and the demonstration of positive attitudes toward physical activity. By the end of the course, students will have the knowledge and skills to make informed decisions about their health and well-being.

THE ARTS

MUSIC COURSES

BAND I-IV (0.5 credit per year)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: At least a year of playing a wind or percussion instrument
COURSE DESCRIPTION: PARTIALLY FULFILLS PERFORMING ARTS CREDIT REQUIREMENTS
In this yearlong elective, students will continue playing their chosen instrument in an ensemble, playing more challenging and fun music. Picking up a secondary instrument is also good for the ensemble (like bass clarinet, baritone sax, piccolo, or tuba). The High School Band will further your abilities in playing ensemble music. Students will also learn accurate playing techniques, dynamics, and articulations for many styles of music. Students will learn proper practice and performance techniques both as soloists and as members of ensembles. Students are required to perform in both the Winter and Arts Festival concerts as well as other assemblies and lunch performances throughout the year.

CHOIR I-IV (0.5 credit per year)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Strong interest in singing and audition.
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: PARTIALLY FULFILLS PERFORMING ARTS CREDIT REQUIREMENTS
In this yearlong elective, classes will consist of warmups, 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.

MUSIC COMPOSITION (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITES: A basic knowledge of music theory is required
COURSE DESCRIPTION: PARTIALLY FULFILLS PERFORMING ARTS CREDIT REQUIREMENTS
Classes will consist of music theory, aural skills, and composition-based projects. Students should be able to read notes in treble clef and bass clef, have a basic knowledge of note durations, meter, key, scales, flats, sharps, intervals, chords, and chord inversions. Students are expected to present their compositions and give comments to peers frequently. It is beneficial if students have some ability to play musical instruments.

PIANO I-IV (0.25 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITES: An audition is required. The capacity of the class is dependent on the number of available pianos.
COURSE DESCRIPTION: PARTIALLY FULFILLS PERFORMING ARTS CREDIT REQUIREMENTS
Students must be able to read scores and learn pieces independently. Through the course, students will improve 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.

FINE ARTS COURSES

AP ART AND DESIGN (1 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: FOUNDATIONS OF ART and teacher recommendation + portfolio
COURSE DESCRIPTION: FULFILLS THE FINE ARTS CREDIT REQUIREMENTS
AP Art and Design is a one-year course. Students enrolled in this class should demonstrate advanced art skills and good working habits, such as submitting their work on time and producing high quality artwork. The course is designed for intensive focus on creating an Art Portfolio for submission to the College Board. It can also be used for art schools and university art programs. "In an AP Art and Design course, students develop the skills that artists and designers use and create a portfolio of work that is assessed to produce the AP score. The AP Art and Design program includes three different courses and portfolio exams: Drawing, 2-D Design 3-D Design" – students will focus on ONE of these areas.

DIGITAL PHOTOGRAPHY (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL FINE ARTS CREDIT REQUIREMENTS
From smart phones to DSLR cameras, students will examine the ways image-production technologies have shaped the way we interpret the world around us. Students will participate in hands-on photography projects that challenge them to analyze how they relate to the images they create and consume. All students should be interested in taking photos, digital technologies, media analysis, and cultural studies.

DRAWING (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
PRERESQUISITES: Foundations of Art
COURSE DESCRIPTION: PARTIALLY FULFILLS THE VISUAL ARTS CREDIT REQUIREMENTS
Develop your drawing skills using graphite, charcoal, pastel and ink in this course which focuses on observational drawing techniques. Through still life, portrait and figure drawing, use sighting, proportion and perspective to create visually strong images. Learn about important contemporary and historical artists who influenced the art world through their drawings!

EASTERN ART I AND II (0.25 credit per semester)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
PRERESQUISITES: EASTERN ART I IS REQUIRED TO TAKE EASTERN ART II
COURSE DESCRIPTION: PARTIALLY FULFILLS THE VISUAL ARTS CREDIT REQUIREMENTS
In Eastern art I and II, students will enhance aesthetic abilities and perceive the richness of Chinese and Eastern arts. The art projects are structured, allowing students to express themselves autonomously and creatively. The curriculum will develop their overall artistic literacy, appreciation, and innovative abilities within the study of Eastern art, enhancing the abilities in artistic thinking, comparison, creation, and expression. It involves project-based learning in various contents, such as Chinese painting, design, sculpture, arts and crafts, art history, online or offline exhibition viewing.

FILMMAKING (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL FINE ARTS CREDIT REQUIREMENTS
Filmmaking is a practical class that focuses on creating audio-visual productions from pre-production through post-production and screening for an audience. Students will use digital cameras and professional editing software to write, plan, shoot, and edit both fiction and non-fiction projects. The final project is a collaborative short film.

ADVANCED FILMMAKING (0.25 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISTE: FILMMAKING
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL FINE ARTS CREDIT REQUIREMENTS
This project-based course immerses students in the collaborative process of narrative filmmaking, from concept to final cut. Working in crew roles (Director, Cinematographer, Editor, Sound Designer, Writer), students will develop a 7-minute short film through a complete semester long production cycle. Key areas include script development, shotlisting, storyboarding, pitch presentation, production design, on-set shooting, post-production (editing, sound design, Foley, color grading), and a final class screening. Students will utilize digital cameras, lighting kits, and Apple and Adobe production software. The course emphasizes role-specific technical mastery, creative problem-solving, collaborative communication, and reflective practice. Summative assessments include the final narrative film, and a written report analyzing creative choices and group dynamics.

FOUNDATIONS OF DIGITAL ART (0.25 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL ART CREDIT REQUIREMENTS
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 prerequisite for all other digital arts courses.

FOUNDATIONS OF ART I (0.5 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: PARTIALLY FULFILLS THE VISUAL ARTS CREDIT REQUIREMENTS
This course will help students develop a basic understanding of technical skills while encouraging creative investigation of formal and conceptual ideas. This course will emphasize making art as an ongoing process that involves critical thinking and risk taking while developing basic art skills. It is an opportunity to work in mediums including different drawing materials and various types of paint. Students' abilities will be demonstrated by their capacity to respond to, analyze, and interpret their own artwork and the work of others through discussions, critiques, and writings. Students will also learn about various artists throughout history that coincides with the projects being taught.

PAINTING I-II (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITE: FOUNDATIONS OF ART
COURSE DESCRIPTION: PARTIALLY FULFILLS THE VISUAL ARTS CREDIT REQUIREMENTS

The painting class is project-based. You will make paintings applying different techniques by using a variety of materials and techniques in your projects, (watercolor, pastel, acrylic, oil painting, etc.). You will be learning art concepts while you are creating art projects. You will learn the history of painting and artists. You will learn the principles and methods of painting. We will develop painting skills, learning various genres of painting. You will also develop your skills in art criticism, discussion, and presentation. You will be encouraged to create paintings to express your own feelings and ideas.

FOUNDATION OF DIGITAL VISUAL ARTS (0.25 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS THE VISUAL ARTS CREDIT REQUIREMENTS
This course integrates digital art practices with technology through hands-on projects across three key areas: digital photography, digital filmmaking and digital graphic design. Students will learn to use Adobe Lightroom and Photoshop to create photographs, Apple Final Cut X and Adobe Premiere to create short films; and Adobe Illustrator to create vector-based compositions. Students will also be encouraged to utilize AI platforms to incorporate AI elements into their artwork. They will explore ethical considerations and develop photo essays, PSA posters, and short films, applying composition principles. The course focuses on building technical skills, critical thinking, creative innovation and building an art portfolio.

EXPERIMENTAL MEDIA (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS THE VISUAL ARTS CREDIT REQUIREMENTS

This course explores unconventional approaches to digital media production across three key areas: digital filmmaking, digital sound design and mixed-media installation. Students will create experimental short films using non-standard techniques such as abstraction, symbolism and non-linearity, using Adobe After Effects, Premiere, and Apple Final Cut X. They will produce soundscapes, and sonic compositions using Adobe Audition and Apple GarageBand, exploring sound walks, installation, foley, and musique concrète. The course culminates in a self-directed independent project, allowing students to investigate an area of personal interest within experimental media. Students will be encouraged to utilize AI platforms to incorporate AI elements into their artwork. Students will analyze influential artists and will develop creative proposals, pitch presentations, and final works for class critique. The course focuses on building technical experimentation, critical thinking, creative risk-taking, and portfolio development.

DIGITAL PORTFOLIO (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS THE VISUAL ARTS CREDIT REQUIREMENTS
This tutorial-based course enables individual students to develop and refine their digital art portfolios based on their personal interests to meet the entry requirements of specific universities. Students will audit their existing work across digital photography, filmmaking, and graphic design to identify strengths, gaps, and areas for growth. They will research university portfolio requirements using official websites and AI platforms, then create a strategic plan addressing three distinct focus areas to develop. Students will move on to produce 3 new (or develop 3 existing) portfolio projects aligned with their target institutions, applying appropriate technical specifications, and written components such as artist statements. The course culminates in a final assembled portfolio with

submission checklists and self-evaluations, ensuring technical readiness for university applications. Students will analyze relevant contemporary artists, develop intention statements, and prepare for university interviews through reflective practice. The course focuses on building independent project management, professional presentation standards, critical thinking, and portfolio development.

THEATRE COURSES

ACTING (0.25 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS 1
COURSE DESCRIPTION: PARTIALLY FULFILLS THE PERFORMING ARTS CREDIT REQUIREMENTS
This all-levels acting course is designed to support both beginning and experienced performers in developing their craft through a balance of individual performance and collaborative ensemble work. Students will begin by reviewing foundational acting skills, including vocal techniques (projection, articulation, pacing, and expression), physicality, and stage presence, ensuring a strong base for all performers.
The semester begins with a focus on solo performance, as students write and perform original monologues while building skills in character development, emotional authenticity, and storytelling. Students will also read and analyze scenes and plays, exploring a range of acting techniques to make informed and intentional performance choices. As the course progresses, students will shift toward ensemble work, collaborating to create dynamic group performances that emphasize connection, communication, and teamwork. Through this process, students will develop emotional empathy, deepen their ability to connect with others, and grow as collaborative artists.
This course is designed not only to develop strong actors, but also confident communicators. The skills learned, such as presence, clarity of speech, and emotional awareness, will empower students to approach any public speaking situation with confidence. Students will showcase their work in a culminating performance at the school's Arts Festival or Winter Showcase, presenting both individual and ensemble pieces in a professional-style setting.

IMPROV THEATRE (0.25 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS PERFORMING ARTS CREDIT REQUIREMENTS
All great actors begin with improvisation. With this course, students will learn how to think on their feet, develop acting skills and learn about their own strengths as a performer. They will develop body awareness, stage presence, vocal control, and creative thinking. This class will help build character, develop public speaking skills, and confidence.

MOVEMENT AND DANCE (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS PERFORMING ARTS CREDIT REQUIREMENTS
This course introduces students to the fundamentals of dance, movement, and creative expression. Through technique, choreography, and performance, students will explore various dance styles, improve coordination and flexibility, and develop confidence in movement. We will study ballet, jazz, hip-hop, break dance, and partner dance styles. The class emphasizes both technical training and artistic expression, fostering an appreciation for dance as a form of storytelling and building confidence in our bodies.

MUSICAL THEATRE (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS PERFORMING ARTS CREDIT REQUIREMENTS
Musical Theatre Performance immerses students in the exciting world of Broadway-style storytelling, where they develop skills in singing, acting, and dance while bringing a full-scale musical production to life. Through hands-on experience, students learn to interpret songs, master choreography, memorize lines, and perform with confidence, all while understanding the importance of ensemble collaboration. Guided by a musical theatre director and a vocal coach, students gain authentic training in stage presence, character development, and live performance. Whether participating in a standalone production or collaborating with the Drama Club, students leave with a deeper appreciation for musical theatre and the thrill of performing on stage.

MODERN WORLD LANGUAGES

ENGLISH LANGUAGE SUPPORT (0.5 credit)
GRADE LEVELS: 9, 10
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: REQUIRED if assigned for additional language support
This course is designed to focus on English language skills related to reading, writing, speaking and listening that are necessary to be successful in an academic environment. ELS supports students in developing the linguistic and academic abilities needed to meet the demands of their core subjects. The course explores topics across the core subjects while giving students structured practice in research, presentations, and essay writing.

FRENCH I (0.5 credit)
GRADE LEVELS: 9, 10, 11
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
Parlez-vous français? In French I students will learn the most basic of French language and culture, covering the level A1.1 of the CEFR. You will be able to ask and answer basic questions and state your tastes and preferences, as well as learn a bit about how life is for teenagers in French speaking countries. Students will be able to introduce themselves, ask and answer questions about identity, talk about school, talk about clothes and style and preferences, and more. The course uses the book system Adomania 1, a new textbook designed specifically for teenagers, with topics appealing to them. French class is taught mostly in immersion style and is task oriented – you learn by doing and communicating with a purpose.

FRENCH II (0.5 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: FRENCH I
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
Vous parlez français! You now already know some French. In French II, students will expand their knowledge to secure level A1 of the CEFR and begin level A2. French 2 focuses on rudimentary and most frequent interactions, such as asking for directions, inviting people out, disagreeing with

someone, expressing obligation or interdiction. We use the book system Adomania 2, a new textbook designed specifically for teenagers, with topics appealing to them. French class is taught mostly in immersion style and is task oriented – you learn by doing and communicate with a purpose.

FRENCH III (0.5 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: FRENCH II
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
Vous êtes francophone! You have mastered simple French and are ready to deal with intermediate French! In French III you will complete level A2 of the CEFR and should be able to take the DELF A2 exam. French III will allow more sophisticated interactions and nuanced language with things like expressing personal opinions, giving advice, congratulating or criticizing. We use the book system Adomania 3, a textbook designed specifically for teenagers, with topics appealing to them. French class is taught in immersion style and is task oriented – you learn by doing and communicate with a purpose.

FRENCH IV (0.5 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: FRENCH III
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
Le français comme atout pour votre avenir! Your command of French is already impressive, and you can still go further. French III will complete level B1 of the CEFR and will teach students more complex structures and themes to allow argumentation and debate, the expression of hypothesis, wishes or likeliness, etc. We use the book system Adomania 4, a textbook designed specifically for teenagers, with topics appealing to them. French class is taught in immersion (all in French) and is task oriented: you learn by doing and communicate with a purpose.

SPANISH I (0.5 credit)
GRADE LEVELS: 9, 10, 11
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS (must take a minimum of Spanish I and Spanish II)
Did you know that Spanish 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 I class, you'll get your very first taste of the language and culture shared by almost 500 million native speakers in 21 countries. In this class, you will learn to introduce yourself, talk about your family and your house, describe people, share your daily routines, ask for directions to places in the city, express your likes and dislikes and, above all, how to make friends in Spanish!

SPANISH II (0.5 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: SPANISH I
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
In Spanish II, students will learn to make plans for the near future. They will get to know and appreciate Spanish-speaking countries' gastronomy, and they will talk about events and experiences that happened in the past. Do you want to tell us about your last summer's adventures in Spanish? Now you will be able to. In this course, students will take Spanish into a whole new level with more complex situations, more information about the Spanish speaking world, and more opportunities to see the language in real context.

SPANISH III (0.5 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS:2
PREREQUISTES: SPANISH I and II
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
The Spanish III program will be centered on the comprehension and production of logically structured speech (holding a discussion, expressing one's point of view about something, etc.) and in the resolution of communicative tasks such as debating, writing, and reading an essay, in linguistically and culturally appropriate ways. This course will also continue further the understanding and practice of basic linguistic aspects like pronunciation and grammar, as well as techniques and procedures used in the study of any other world language.

LINGUISTICS (0.25 credit)
GRADE LEVELS: 10, 11, 12
PREREQUISITES: INTEREST IN LANGUAGE ACQUISITION
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
In this elective, students will learn about the various elements that make up a language and explore the various fields of Linguistics that study these elements, such as phonology, phonetics, syntax, semantics, psycholinguistics, and more. Students will also try some of the many tools and techniques available to the study of languages. For instance, you will learn the International Phonetic Alphabet (IPA) and how to use it to transcribe speech, or how to visualize speech on an audio-spectrogram. This course does not aim at making you proficient in any field but aims to give you a taste and develop an interest in learning more in university.

TECHNOLOGY

AP COMPUTER SCIENCE A (1 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: DIAGNOSTIC TEST (WAVED IF STUDENT GOT A 4 or 5 ON THE APCSP EXAM); TEACHER RECOMMENDATION
COURSE DESCRIPTION: FULFILLS TECH CREDIT REQUIREMENTS
AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of da
ta structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

AP COMPUTER SCIENCE PRINCIPLES (1 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 2
PREREQUISITES: DIAGNOSTIC TEST; TEACHER RECOMMENDATION
COURSE DESCRIPTION: FULFILLS TECH CREDIT REQUIREMENTS
This computing course explores the expansive field of computer science. Students will develop critical skills in solution design and evaluation while applying computer science principles to solve real-world problems through algorithm and program development. The curriculum emphasizes computational abstraction and using data analysis to uncover new insights. By the end of the course, students will understand fundamental programming concepts, data representation, algorithm design, system and network architecture, and the societal impacts of computing technologies.

MOBILE APP DEVELOPMENT (0.25 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS TECH CREDIT REQUIREMENTS
This course introduces students to mobile app development using Apple's Xcode development environment and the Swift programming language. Students will learn how to design, build, test, and deploy iOS applications. The course emphasizes problem-solving, creativity, and computational thinking through project-based learning.

ROBOTICS (0.25 credit)
GRADE LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS TECH CREDIT REQUIREMENTS
This course is designed to provide students with hands-on, contextualized lessons that integrate mathematics, programming, and engineering. Students will begin by building a strong foundation in the mechanical components of the VEX V5 system, understanding how different parts work together to create functional robots. As they progress, students will apply this knowledge to design, build, and program their own robots using VEXcode V5 (block-based, Python, or C++). Through both independent and collaborative projects, students will develop effective solutions for real-world scenarios by applying problem-solving skills, engineering principles, and computational thinking. Enrollment is limited to 10 students.

INTRODUCTION TO ARTIFICIAL INTELLIGENCE (0.25 credit)
Grade Level: 10, 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITES: INTRO TO COMPUTER SCIENCE
COURSE DESCRIPTION: PARTIALLY FULFILLS TECH CREDIT REQUIREMENTS
Introduction to Artificial Intelligence (AI) provides a comprehensive overview of the history of AI, fundamentals of AI, AI applications, and how AI is transforming science and society. This course is a general AI literacy course, assuming no coding background and basic non-calculus mathematical understanding. We will demystify the AI-hype and learn about why AI can be the enabling technology of the 21st century. The course starts with the birth of logic, computer and AI; then explores the core revolutionary ideas underneath machine learning, neural networks, and structures that lead up to large language models. After that, we will look at AI for good, AI for science, AI for society, concluding with a project using AI to benefit our community.

DIGITAL DESIGN AND FABRICATION (0.25 credit)
GRADES LEVELS: 10, 11, 12
NUMBER OF SEMESTERS: 1
PREREQUISITE: FOUNDATIONS OF ART OR FOUNDATIONS OF DIGITAL ART
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL TECH & CREDIT REQUIREMENTS
This class will introduce students to the latest ways that artists, designers, and engineers create objects using technology, in addition to techniques used in digital design and fabrication. Students will also have the chance to create computer models of three-dimensional objects and then use various machines, such as 3D printers and CNC routers, to fabricate them.

STEAM (0.25 credit)
GRADE LEVELS: 9, 10, 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS TECH CREDIT REQUIREMENTS

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. This course aims to cultivate student interest in STEM-related fields and 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 focusing on the study of statics like bridge and tower construction.

OTHER COURSES

HIGH SCHOOL ENRICHMENT (no 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 to help students make the most of their high school experience by starting it well.

CULINARY ARTS (0.25 credit)
GRADE LEVELS: 11, 12
NUMBER OF SEMESTERS: 1
COURSE DESCRIPTION: PARTIALLY FULFILLS ADDITIONAL CREDIT REQUIREMENTS
A delicious, fun, interactive, course, (the only course ever) where you can eat in front of the teachers. You will be able to learn foundational baking skills, develop culinary arts knowledge and put it to the test through designing your own recipes. Join this collaborative, engaging journey that explores the wonders of baking.

INDEPENDENT STUDY (1 credit)
GRADE LEVEL: 12
NUMBER OF SEMESTERS: 2
COURSE DESCRIPTION: OPTIONAL
Grade 12 students may choose to take on an additional in-depth one-year path of inquiry if the senior has completed most of the requirements for graduation, has a minimum of a 3.25 GPA, and has an area of academic interest he/she wishes to concentrate and study. Though self-designed, under the academic supervision of a specific teacher, the course must be rigorous and contribute to the respective field of knowledge. It cannot take the place of a required or elective course and is not an AP self-study course. Independent Study involves a student working with a teacher to develop the path of inquiry and expectations for the year. The teacher and student will meet regularly to focus on research and project development. Students must meet with the Academic Principal for written permission to initiate the planning of an independent study and a second time for course outline approval.