



B
BROOKS
SCHOOL

ACADEMIC POLICIES
AND COURSE CATALOG
2022-2023



BROOKS SCHOOL
ACADEMIC POLICIES
&
COURSE CATALOG

2022-2023

Brooks School does not discriminate on the basis of race, gender, color, sexual orientation, disability, or religion in the administration of its education policies, admission policies, employment policies, financial aid and loan programs, athletic programs, and other School-administered programs and activities.

Last updated: April 20, 2022
by Susanna Waters
Assoc. Head for Academic Affairs
Questions or comments?
Email: swaters@brooksschool.org

Table of Contents

Introduction	2
ACADEMIC POLICIES	
Requirements	3
Diploma Requirements	
Departmental Graduation Requirements	
Course Load	
Promotion Requirements	
General Policies	5
Grading System	
Effort Marks	
Policies Regarding Course Assignments	
Pass/Fail Status	
Credit Policies	
Adding/Dropping Courses	
AP Courses & Exams	
Independent Study	
Online Learning	
Winter Term	
Sixth Form Spring Projects	
Summer Course Work	
Academic Honors	8
Honor Roll	
<i>Cum Laude</i> Society	
Academic Probation	8
Academic Integrity	9
Class Attendance	10
The Learning Center	10
COURSE CATALOG	
Arts	11
Music	
Theater	
Visual Arts	
World Languages	18
Latin	
Mandarin Chinese	
French	
Spanish	
English	24
History	28
Mathematics	35
Science	38
Special Programs	42
Self in Community	42

INTRODUCTION

The Brooks curriculum provides students with a broad-based academic experience in preparation for university. In addition, students develop skills and habits of the mind that will benefit them for the rest of their lives. Ideally, all students will enroll in courses in the five major disciplines for all four years of high school. Students are also encouraged to pursue their interests in the arts throughout their career at Brooks. Students should keep their future career options open as long as possible.

This course catalog will give you a sense of the depth and breadth of our curriculum. Requirements are considered the minimum needed to graduate from Brooks. Students should look beyond what they must take to what they ought to take to make themselves the most attractive candidates for college admission. For example, all students should complete courses in the three basic sciences (physics, chemistry and biology), even though they are not necessary for graduation. Most students graduate with transcripts that far exceed the school's requirements.

Brooks offers students the opportunity to choose academic programs appropriate for their abilities; many courses have multiple levels. Students have more choices as they progress through the curriculum. For example, sixth formers may wish to double up and take two courses in a particular field of study. As always, consultation between students and parents, advisors, teachers, the college counselors and the academic dean is necessary to ensure students choose the most challenging courses within which they will do well.

ACADEMIC POLICIES

REQUIREMENTS

Diploma Requirements

The Brooks academic year consists of two semesters divided by a three-week winter term in January. 90 credits are required for a diploma. Due to Covid-19 and the cancellation of Winter Term in January 2021, the class of 2024 has an 89-credit threshold. Due to the additional cancellation of Self in Community during the spring semester of 2020, the class of 2023 has an 88-credit threshold. Credit is assigned for successful completion of a course on the following basis:

- Two-semester major: **four** credits
- One-semester major: **two** credits
- Two-semester minor: **two** credits*
- One-semester minor: **one** credit*
- Winter term course: **one** credit

Credits will be recognized for the successful completion of appropriate courses at previous schools, after review by the academic dean.

**Minor classes that meet twice per week award one credit per semester. Minor courses that meet less than twice per week award one-half credit per semester.*

Departmental Graduation Requirements

Arts

Third form students will enroll in Arts Exploratory or a two-semester music course. Beginning with the class of 2024, students will complete five semesters (ten credits) in the arts, except entering fifth formers, who will complete two semesters (four credits). Students in the class of 2023 will complete a minimum of four semesters total. Students will satisfy a distribution requirement of completing at least one course in two of the three disciplines in the Arts: visual, music or performing. Arts Exploratory does not count toward this distribution. Students who elect to specialize in one discipline must take it every semester, continuing beyond the introductory levels. If they choose to discontinue their specialization, they must enroll in a course in a different discipline to satisfy the distribution requirement. New fourth form students may earn credit, and potentially satisfy the distribution requirement, with comparable courses from their prior school with the approval of the academic office.

World Languages

One language through the third level.

English

Both semesters, every year.

History

Global Humanities or Modern World History and U.S. History.

Mathematics

Completion of *Second Year Algebra*.

Science

Two years of laboratory sciences, one of which must be a two-semester course.

Self in Community

A minor class series running through all four years at Brooks. All students will automatically be enrolled in the class specific to their grade.

The faculty will consider petitions from students wishing exemptions from one or more of these requirements. Such exemptions will not be permitted if the student has failed to compile a satisfactory academic record. For instance, students may secure an exemption from *Modern World History* or one year of Brooks science by committing themselves to completing three years of a second language and two years of another.

Course Load

The expected course load for all students is either five or six major courses, depending on whether a student is taking a class in the Arts, and one minor course. Thus, the typical Brooks student carries 11 or 13 credits per semester: five two-credit majors or six two-credit majors, one of which is a class in the Arts, and a required minor, such as *Self in Community* in the third form. Third form students may enroll in less than six major courses only with permission of the academic dean. These requests are considered extraordinary and a student's credit situation must be monitored closely to ensure that they are able to graduate on time.

It is the school's strong feeling that a student taking the prescribed course load is considered taking a full and rigorous program. In rare cases, a student may petition to double up in courses in one discipline without dropping a course in another discipline, resulting in a course load of six or seven majors. That would require permission from the student's advisor and college guidance counselor, the department head in the discipline where the student is taking two courses, the academic dean, and the consent of the Curriculum Committee.

Promotion Requirements

For promotion to the fourth form, a student must have:

- *Passed *English I* and *Self in Community*.
- *Earned an average of at least 70 in the second semester.
- *Acquired a total of at least 23 credits.

For promotion to the fifth form, a student must have:

- *Passed *English II*, *First Year Algebra* and *Self in Community*.
- *Acquired four credits in a language other than English.
- *Successfully completed one year of the history requirement, unless exempted or deferred by the academic dean and the history department.
- *Earned an average of at least 70 in the second semester.
- *Acquired a total of at least 46 credits.

For promotion to the sixth form, a student must have:

- *Passed *English III*, *Geometry*, and *Self in Community*.
- *Acquired eight credits in a language other than English.
- *Completed one laboratory science.
- *Earned an average of at least 70 in the second semester.
- *Acquired a total of at least 70 credits.

Students who fulfill the appropriate departmental and promotion requirements are in good academic standing and eligible for promotion or graduation. The academic dean and the faculty may recommend that students who do not earn the minimum requirements for promotion not be invited to return. If they do remain at Brooks, they will be considered special students until the promotion requirements are met.

Students with an "incomplete" (I) grade at the end of any semester will be granted one month from the submission of grades to make up the incomplete grade and therefore earn appropriate credit. Incomplete grades are normally granted only for medical reasons or in other emergency situations.

Sixth formers failing with a third-class effort in the first semester must make up that failure in the second semester to be eligible for graduation. Sixth formers failing any course in the second semester with a third-class effort will not participate in graduation and will not receive a diploma until they have made up the course.

After the conclusion of AP examinations, sixth formers are generally exempt from spring exams. However, sixth formers with an average below 70 in a course will be expected to take a final exam. Also, sixth formers may have to take exams in required courses.

GENERAL POLICIES

Grading System and Progress Reports

Number grades are posted at the midterm and end of every semester for all major courses. Minor courses are graded pass/fail at the midterm and with a number grade at semester's end. Certain performance-based courses in the arts are graded pass/fail. Sixth formers may petition the academic office to have one elective course below the AP level graded pass/fail (see below). A brief explanation of the number grading system and the Brooks School Honor Roll follows:

100 - 92	Highest Honors
91 - 88	High Honors
87 - 85	Honors
84 - 80	Commendable
79 - 75	Satisfactory
74 - 70	Fair
69 - 60	Passing
59 - 55	Failing

Effort Marks

Effort marks are awarded at the end of each quarter: I = outstanding; III = poor. They are internal grades only and do not appear on student transcripts. The criteria used in assessing effort include the following:

- Punctuality in class attendance and timely submission of assignments.
- Unexcused class absences.
- Satisfactory makeup of quizzes, tests, examinations.
- Attendance at extra help sessions.
- Class preparation.
- Involvement in class discussion.
- Attitude and cooperation.

The grade and effort mark together attempt to make a clear statement of assessment. A student working hard in a challenging course who receives a 75 and a first-class effort is doing commendable work.

The school cannot make a convincing academic recommendation on behalf of students whose cumulative academic average is under 70.

Policies Regarding Course Assignments

"Incomplete" grades are granted only for medical reasons or in other emergency situations. An assignment will be counted as late if submitted after the start of the class in which it is due. A 10% deduction will be applied for the first week, 20% for the second week, and 30% for the third week. Beyond the third week, a student may earn up to a 55% if the assignment is submitted before the semester's close. A zero will be recorded for the assignment if no work is submitted.

Students should not have three major assessments due the same day. A major assessment is a full class period evaluation of at least a week's worth of material, or a major paper. Students with three scheduled tests/papers due on the same day should consult with their advisor and ask one of the teachers, prior to test day, if a test may be postponed. Generally, students should not be assigned more than one typical night's homework during a vacation break. Students in AP courses are an exception. Also, this guideline is not meant to preclude a struggling student from doing significant make-up work or review if the situation requires it.

Pass/Fail Status

Members of the sixth form may choose to take one non-required elective course below AP level on a pass/fail basis. Sixth formers may take either a two-semester course or a one-semester course each semester pass/fail. All applications for pass/fail status for the year or fall semester must be submitted to the academic dean within 48 hours of the publication of fall mid-term grades. Sixth form students may apply for second semester courses to be taken pass/fail within 48 hours of the publication of spring mid-term grades. These applications are reviewed by the curriculum committee and are granted to students wanting to challenge themselves in disciplines in which they may expect to struggle.

Credit Policies

While enrolled at Brooks, the school recognizes credits taken during the academic year from other institutions only in the following instances: one year or one semester for Brooks-affiliated exchanges with School Year Abroad or one quarter for other Brooks exchanges or off-campus sixth form projects. Proposals toward undertaking any other academic work for credit must be approved by the academic dean, Curriculum Committee and the faculty before such work is undertaken.

A student separated from school (dismissed, suspended) may receive credit for courses taken that semester if:
He/she is not affected by the 18% attendance rule; and
He/she satisfactorily completes all major outstanding work, including exams when appropriate.

Teachers are not expected to teach students from afar. Instead, students should complete the syllabus on their own and submit the required assignments.

Course Changes

Students are allowed to change courses with approval of their advisors, teachers, department chairs and academic dean during the first two weeks of each semester. If students switch courses within or across departments during this time, the grade from their first course will not follow them to their next course; they receive a clean slate. The last days for student-initiated changes are marked on the school calendar.

Following this period, course changes may only be initiated by a student's advisor. After mid-term grades are submitted, students who drop a course at the initiation of their advisor will have a W ("withdrawn") recorded on their transcript.

If a level change (e.g. from Honors to non-Honors) should be initiated, the process must be completed within two weeks following the release of mid-term grades during the first semester. If a student moves down a level in the same course (e.g. AP Modern World History to Modern World History, or Honors Physics to Physics) a ten-point upward adjustment will be made to the student's grade point average. If a student moves up a level in the same course, the appropriate adjustment will be made by the teacher in consultation with the department chair. If a student changes levels between first and second semester, there will be no change affected to the first semester transcript.

Advanced Placement Courses and Exams

Advanced Placement (AP) courses are college-level courses based on a standardized curriculum approved by the College Board. The School recommends that students take no more than three AP courses in an academic year. All students enrolled in AP courses are expected to sit for the appropriate AP exams in May. As with other standardized tests administered at Brooks, parents are billed for the cost of the exams.

Students who wish to take AP exams for courses not offered by the school may do so by arrangement with the academic dean prior to spring break. Typically students not enrolled in AP courses offered at Brooks will not be allowed to sit for those exams administered by the school.

Independent Study

Students who wish to engage in an independent study must contact the academic dean to discuss the independent proposal. A form will be completed as part of the approval process. This form must be completed with a detailed description of the study, including texts and grade evaluation procedures, and permission of the advisor, department chair, college office and teacher overseeing the course.

Online Learning

Sixth-formers in good standing and in attendance at Brooks may supplement their Brooks education by taking an approved online course sponsored by the College Board or an institution of higher learning for college credit. The one- or two-semester course, to be supervised by a Brooks faculty member, must be one that is not taught at Brooks.

Students may take only one such course per year. Students should submit a detailed proposal to the advisor, academic dean, department head and the Curriculum Committee. This proposal will include a syllabus and all relevant information about the course and the program sponsor. Once approved, satisfactory completion will typically satisfy our independent study requirement and earn Brooks credit.

Students should be aware that they are responsible for assuming the entire cost of this optional course. Students enrolled in courses sponsored by another institution are bound by the policies, rules and procedures of that institution. Brooks has no control over the course requirements, instructor or grade earned. A failure in such an independent study course may mean a student does not graduate as scheduled.

Students may also take online courses for the purposes of placement or advanced standing. No credit is earned or awarded. No credit is earned or awarded in these instances. With approval of the academic dean and the department head, students may engage in scholarship that would allow them to prepare to take a Brooks exam in a particular course. The expectation is that a successful performance on the exam would enable the student to pass out of the course to enroll in a more advanced one.

Winter Term

Brooks offers a required three-week winter term in January. All students are expected to successfully complete a Winter Term course each year. Winter term courses are graded pass/fail. Note that the 18% attendance rule applies during Winter Term. Students who fail to meet that standard will not receive credit for their Winter Term course.

Programs Outside of Brooks School

Though we believe the experience of attending Brooks School is an exciting and fulfilling adventure in its own right, occasionally a student may become interested in pursuing a semester-long course of study away from the Brooks campus. The Island School might be an example of this kind of program. Ideally, students need to be thinking about this early in their Brooks career. Bearing in mind that many graduation requirements and AP courses are typically what a student might take in their fifth-form year and that these courses are usually not offered by these types of programs, it can be very challenging to accommodate a fifth-former being away for a semester. Spring of the fourth-form year tends to be the least disruptive time for such a program. Students and their parents interested in applying to these programs should be in touch with the academic dean as early as possible.

Summer Course Work

Brooks School does not customarily award credit for required or enrichment courses taken during the summer. However, for a number of reasons, students may elect or be required to take essential courses during the summer. In order to do so, they must enroll in a summer course approved by the academic dean and the relevant instructor(s) and department head(s) and/or take a special Brooks exam administered by the appropriate academic department. Arrangements and permissions should be secured well in advance.

Students may attempt to advance a level over the summer (i.e. from First Year Algebra to Second Year Algebra, by taking Geometry). However, students (and their parents) should be aware that mastering a year's worth of coursework (4 classes per week for 30+ weeks) over the summer is a difficult challenge, even for the most able

student. Another consideration is that the University of California system requires transcript evidence that a course has been successfully completed. It may be that other universities, unbeknownst to us, may require this as well. If a UC school is even a possibility in a student's future, enrolling in formal coursework at another institution is probably the best option. Students passing a summer course and /or exam do not earn credit from Brooks, but successful completion may mean they have earned the right to advance to the next course in the Brooks curriculum.

With the addition of the Brooks Summer Session to the academic program, students may enroll in up to two academic minor courses during summer months. A student may elect to take a course for a numeric grade or on a pass/fail basis. The credit associated with each course may count toward graduation, but cannot satisfy a departmental graduation requirement. All expectations of students associated with the academic life of the school remain true during Brooks Summer Session. BSS will not run the summer of 2022, but may return in 2023.

ACADEMIC HONORS

Honor Roll

Students may attain honor roll status at the end of any semester with the following grade point averages:

Highest Honors = 92

High Honors = 88

Honors = 85

Cum Laude Society

The *Cum Laude* Society is a national organization that recognizes superior academic achievement. According to the *Cum Laude* constitution, the Brooks chapter may elect up to 20 percent of the members of the sixth form who have earned an honors record. Half may be elected upon the conclusion of their fifth-form year and the remainder in the second semester of their sixth-form year. Inductees must be completing at least their second year of high school at Brooks School at the time of induction.

Graduation

Brooks recognizes scholastic achievement at graduation with the following designations: the top 10 percent of the class as *Summa Cum Laude*, the next 20 percent as *Magna Cum Laude*, and the following 20 percent as *Cum Laude*.

ACADEMIC PROBATION

A student will be placed on academic probation if the student meets one or more of the following conditions:

- Earns two or more third-class effort marks.
- Earns two or more grades below 70.
- Has a quarter or semester average below 70.
- Fails one or more of the departmental or promotion requirements at the end of any quarter.
- Fails a course at the end of a semester.

At the end of each quarter, the faculty will review the status of all students not in good standing. The academic dean will write a letter to those students, re-affirming the academic expectations of the school. In the event that students on academic probation are unable to fulfill the minimum standards as stated, they will remain on probation and may be dismissed. Students on academic probation may have their weekend and travel privileges limited by the school. Students on academic probation who are failing two courses with third-class effort marks at the end of a semester should expect to be dismissed from the school.

ACADEMIC INTEGRITY

Introduction

Academic honesty is the basis of sound scholarship and integral to proper learning. Students must understand that truthfulness and honesty govern their work at all times. Cheating and plagiarism are considered major violations of school rules. Students are expected to present work that is their own, and to cite references and sources when appropriate.

Character and Honor

At the beginning of every course and at every semester, teachers inform students of their expectations regarding the proper role of collaboration, use of resources (both printed and electronic), citation practices and other issues related to academic honesty. The range of the school's responses to cheating and plagiarism is outlined below. Students must realize that it is their responsibility to do their work honestly and truthfully. Gray areas are inevitable. The appropriate use of calculators, for example, is determined by the individual departments. When doubt exists, the burden is on the students to have the appropriate teachers clarify issues before work is submitted for evaluation.

Cheating and Plagiarism

The following types of conduct are prohibited by the school, with Level 1 offenses generally regarded as more significant violations of the school's standards of academic honesty.

Level 1. Buying or copying a significant portion of a paper from the Internet or any other source and presenting it as one's own; stealing or otherwise obtaining a copy of a test or examination before its administration; unauthorized use of a language translator; premeditated cheating, such as the use of a crib sheet on a test; spontaneous cheating on a test or a quiz; unauthorized use of work previously submitted in another course.

Level 2. Reading a book in a language other than the one in which it is assigned; copying another's homework; unacknowledged collaboration or assistance; discussing an exercise, test or quiz with those who have already taken it; and/or using another's data on math or science assignments or someone else's research for an essay or worksheet.

These examples are not meant to be an exhaustive or complete list. They are guidelines to help students recognize a wide spectrum of dishonest behavior. At any level, cheating and plagiarism, or helping others to cheat or plagiarize, are wrong and will not be tolerated.

Consequences of Academic Dishonesty

Incidents of academic dishonesty should be reported to the academic dean. Major violations (Level 1) or multiple incidents of a serious nature (Level 2) will be referred to the Discipline Committee. A first offense of a Level 2 violation is likely to be handled by the academic dean, in consultation with the teacher, advisor and Dean of Students. In general, the issue will be addressed with the student, and the parents will be informed as to the nature of the offense and the subsequent consequences. The school may, in its sole discretion, decide upon discipline, including, but not limited to, dismissal, suspension, deans' warning, reduction or loss of credit for an assignment or course based on the underlying conduct, regardless of whether the Discipline Committee is convened.

To honor our school mission, Brooks promotes an academic policy of restorative justice. If a student plagiarizes or cheats, as part of the disciplinary action required of that individual, that student must rewrite the assignment or retake the assessment in question to satisfy the original learning objective. The student may earn up to a failing grade of 59 percent for that assignment or assessment. Therefore, a teacher will not calculate a grade of zero for a total loss of credit into a semester average.

In the case a student is suspended, that student may be asked to serve the suspension in-house. The student will then report to the academic dean at the conclusion of classes for a minimum of two afternoons. This practice will continue until expectations related to the disciplinary decision and restorative justice have been fulfilled.

CLASS ATTENDANCE

Attendance and Absences

Students and their families are reminded of the importance of classes and other commitments during the school year. While acknowledging the occasional need for students to be absent from class for appointments, family obligations, personal reasons, etc., the school does expect those absences to be undertaken only with careful consideration and, where possible, with some thought for maintaining the integrity of the school schedule, the guidelines of which are quite clear. Please review carefully the following policies regarding attendance.

Class time is an extremely important and valuable component of the education at Brooks, and it should not be missed casually. Given increased pressure by families to have students out of school for extended periods of time or for personal reasons — medical/short leaves, athletic tournaments, family trips, etc. — the faculty has established a general academic attendance requirement. The faculty believes there is a point at which absences from school — be they excused or unexcused, for reasons of health, convenience or pleasure — so significantly curtail the learning necessary to meet course requirements that a student must forfeit credit in that course. As this policy relates to all absences from class time, it is intended to be clear, fair and liberal enough to allow for a reasonable/expected number of absences, some of which might actually be caused by the school itself (i.e. field trips).

This policy on academic attendance demands that students missing an inordinate amount of school consider carefully the consequences of the choices they are making. It is hoped that this policy will affect very few students, and that the typical student, faced with the typical life circumstances of illness, field trips, long weekends, etc., would not find themselves in any sort of credit jeopardy.

A student absent from approximately 18 percent of the meetings of a course per semester may forfeit credit in that course by being withdrawn from it. For reference, 18 percent corresponds roughly to 11 absences from a class meeting four times weekly, six absences from a class meeting twice weekly. “Absent from” means “not present in,” regardless of reason.

Unexcused Academic Absences

In addition to the general policy on absences from required activities, the academic dean keeps same-class records of class absences on a semester basis. Students with three or more unexcused absences from the same class in a semester may be required to attend a special discipline hearing that includes the advisor, the dean of students and the academic dean. If thereafter a student accumulates additional unexcused absences in that same course, that student may forfeit credit in the course by being withdrawn from it.

THE LEARNING CENTER

In order for Brooks to achieve its mission of providing “the most meaningful educational experience” for our students, we must do our best to help each student reach their full academic potential. A key part of a student’s success is the knowledge that they have the necessary skills to meet the expectations of their courses. Beyond curriculum content, students need to be empowered with the tools to reach this potential. Many students may need academic help at some point during their time at Brooks. The services available through the Learning Center provides this important complement to their classroom experience.

Services Offered

The Learning Center provides general academic counseling, study and organizational skills development, time management help, writing support and learning styles education. Although classroom teachers are the best source for content area help, some tutorial support is available in the Learning Center as well. The Learning Center is located within the main academic building and is open throughout the school day, Monday through Saturday. While some students seek support on a regularly scheduled basis, others prefer to drop in only when specific help is needed.

Advisors and classroom teachers may refer a student for Learning Center services. Additionally, the Learning Center offers an evening study option, staffed by faculty and peer tutors, four evenings per week.

Resources for Students with Disabilities

The Learning Center coordinates services and accommodations for students admitted to Brooks with learning disabilities. Students who have documented disabilities are guaranteed certain protections and rights to equal access to programs and services under the Americans with Disabilities Act (ADA). In order to be eligible for accommodations, students must present a current (within the last three years) testing/documentation to the Learning Center prior to the school year in order to ensure these are in place for the school term. In cases where students are tested during the school year, documentation should be submitted as soon as available to the Learning Center. Learning profiles are written for the start of each semester. Based on the documentation, the Learning Center faculty will create a learning profile for the student, which includes a summary of disability/learning style, academic strengths and weaknesses, accommodations, recommendations and student responsibilities. This profile is confidential and is shared only with the student's advisor and relevant faculty members. Brooks currently offers four academic accommodations: 50% extended time; small group setting; use of computer for essay writing; and use of a four-function calculator.

THE ARTS

Whether in the studio or on the stage, art is at the center of Brooks School students' experience. Our expansive programs in dance, music, theater and visual arts are designed to promote and develop the critical skills of confidence, creativity, and curiosity. In the classroom, students choose from a wide range of courses from Arts Exploratory to AP Studio Art. Beginning with the class of 2024, Students are required to take five semesters of courses in the arts, and many Brooks students go beyond the requirement to include joyful creative expression in their day. Students in the class of 2023 have a four-semester requirement.

REQUIRED 3RD FORM ARTS COURSE

ARTS EXPLORATORY. This year-long exploratory arts course, taught by a team of Arts faculty, provides access to our breadth of artistic disciplines within our Center for the Arts for all third form students. Each student will spend several weeks in teams of students engaging, collaborating, communicating and creating in different disciplines (Visual 2D and 3D, Media, Theatre: Performance and Technical, and Music: Instrumental and Vocal) within the arts. Major – Third Form – First and Second Semesters.

All third form students are enrolled in a first year of arts, either in Arts Exploratory or one of our year-long ensembles: Chamber Music, Concert Chorale, Festival Chorus, Jazz Band, Rock Band or permission to participate in Advanced Jazz or Rock Band.

MUSIC

The study and performance of music is a unique vehicle for creativity, emotional expression, and the development of self-discipline. Brooks encourages students to nurture their musical interests and abilities through group and solo performance, private study, and classes in music history and music theory. Through these activities, students can begin to understand music in its greater historical and social contexts and discover connections between music and other academic disciplines.

INSTRUMENTAL ENSEMBLE. This course is open to all interested students regardless of prior experience. Each term focuses on a single instrument, and that instrument of choice may change from ensemble to ensemble. The students study the history of the instrument and perform at a recital at the end of each term, as well as in occasional informal performances. Emphasis is placed on reading, aural, rehearsal, performance, and blending skills, which apply to all music. Selected members of the ensemble are occasionally asked to rehearse and perform in collaboration with other ensembles.

Major – Third, Fourth, Fifth and Sixth Forms – First or Second Semester.

FESTIVAL CHORUS- TREBLE VOICES. This is a non-audition vocal ensemble designed to introduce treble voices to choral ensembles at a high school level. Students learn basic vocal technique as it pertains to choral and solo singing, to read and notate basic notes and rhythms, to use appropriate musical terminology, to sing simple music at sight using Solfège syllables, and perform music in multiple languages from various genres and musical eras. Each semester's culminating performances are a meaningful and compulsory component of this class.
Major – Third, Fourth, Fifth and Sixth Forms – First and/or Second Semester.

FESTIVAL CHORUS- LOW VOICES. This is a non-audition vocal ensemble designed for tenor and bass singers. The core curriculum emphasizes the basics of healthy vocal technique and musicianship, providing assistance to the changing and developing voice, reading and notating simple notes and rhythms, using appropriate musical terminology, and functioning as a musical ensemble. This ensemble will perform music in multiple languages from various genres, cultures, and time periods. Each semester's culminating performances are a meaningful and compulsory component of this course.
Major – Third, Fourth, Fifth and Sixth Forms – First and/or Second Semester.

MUSIC THEORY I (READING AND KEYBOARDING). This course is designed to help students develop basic analytical skills in reading and notating music. Attention is given to note recognition in all clefs, aural and rhythmic dictation, and building scales, keys and chords. Students will also develop rudimentary keyboard skills in order to assist in deepening their understanding of music theory.
Major – Fourth, Fifth and Sixth Forms – First Semester.

MUSIC THEORY II (COMPOSITION AND CREATION). Music Theory II is designed as the natural progression from Music Theory I. This course functions for the intermediate to advanced student musician in order to more thoroughly understand the elements of music theory, composition, and musicianship. Ear training and sight-reading are critical parts of this course. In addition to incorporating analysis of more complex musical works, students will also create music and understand the guidelines used in music written by others in order to better understand the inner workings of composition. Students taking this course must read music and it is preferred that students have been a member of one of our music ensembles before taking this course, but it is not required.
Major – Fourth, Fifth and Sixth Forms – Second Semester.

The following courses are considered second level:

CONCERT CHORALE. This is an auditioned, intermediate-level vocal ensemble for treble voices whose focus is on developing higher musical literacy, challenging choral repertoire spanning several genres, languages and time periods, intermediate to advanced level vocal production, and public performance. Emphasis is placed on developing more advanced musicianship and professionalism. Participation in this ensemble requires semi-regular public performances that are a meaningful and compulsory component of this course.
Major – Third, Fourth, Fifth and Sixth Forms – First and Second Semesters.
Prerequisite: Audition and permission of the instructor.

MODERN MUSIC PRODUCTION. To understand the techniques and concepts used in the modern, digital recording studio, students learn how those ideas were forged and study the development of each new technology. Only with this information are they able to make intelligent decisions in the recording process. Basic concepts of acoustics and their application in the modern studio are emphasized. Past and current technologies are observed and implemented in the classroom as well as in projects. By the end of the course, students will be proficient in using recording technology, navigating digital audio workstations, and producing/mixing music on the computer.
Major – Fourth, Fifth and Sixth Forms – First and/or Second Semester.
Prerequisite: Instrumental Ensemble, Festival Chorus, or permission of the department.

INSTRUMENTAL AND VOCAL LESSONS. Private instruction is available for most instruments and voice on a weekly basis and at an additional cost. Instruction is provided by some of the finest musicians in the greater Boston area. No academic credit is granted. Students enroll by completing the summer online form or by speaking directly with the Director of Music.

Please see the next section for Instrumental Ensembles, which span second through fourth level skills and content. The following courses are considered fourth level:

AP MUSIC THEORY. This course is designed to be the equivalent of a first-year college course in music theory. Students prepare for the advanced placement examination in May. At least a basic familiarity with musical notation is important. It is also strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Permission of the department.

INDEPENDENT STUDY. This semester-long course allows students to study a project in music under the supervision of a member of the department.

Major or Minor – Sixth Form – First and/or Second Semester.

Prerequisite: Written permission of the department head and instructor.

INSTRUMENTAL ENSEMBLES

JAZZ BAND. This is an ensemble that studies and performs music written for large ensembles in a variety of styles including swing, blues, Latin-American, and modern jazz/rock fusion. Members of the group work together to develop their skills in such areas as precision in performance, accuracy of style, and group awareness. Opportunities are provided for those who wish to explore the art of improvisation. This group performs at the winter and spring concerts, Family Weekend, and a variety of other events throughout the year.

Major – Third, Fourth, Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Permission of the department.

ADVANCED JAZZ BAND. This ensemble furthers the structure and intent of Jazz Band at a higher level and with a strong emphasis on improvisation and collaboration. This group performs at the winter and spring concerts, Family Weekend, Revisit Days, and a variety of other events throughout the year.

Major – Third, Fourth, Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Audition and permission of the department.

CHAMBER MUSIC ENSEMBLE. This is an intermediate-level orchestral ensemble whose repertoire spans from the Renaissance Era to Contemporary 21st Century music. With an emphasis on standard orchestral repertoire from the last two centuries, students build skills in music reading, intonation, interpretation, and group dynamics. The Chamber Ensemble regularly performs at school functions, final semester concerts, and outside venues both alone and in collaboration with the choral forces at Brooks School.

Major – Third, Fourth, Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Permission of the department.

ROCK BAND. The band is designed for instrumentalists and vocalists interested in studying, composing and performing music in rock style. The group performs at school functions throughout the year.

Major – Third, Fourth, Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Audition and permission of the department.

ADVANCED ROCK BAND. This course builds upon the work established in Rock Band. The course is a small ensemble class which is geared towards preparing the group for a variety of live performances in the rock and pop genre. Students work as a group and individually to learn the material on their various instruments or vocally, as well as studying other aspects of live performance. Two major and one or more minor performances will be scheduled for the ensemble during the school year.

Major – Third, Fourth, Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Audition and permission from the instructor.

THEATER

The theater program provides the novice and experienced stage performer with opportunities to study the art of the theater. Students examine a variety of theater styles, periods, and cultural traditions, enabling them to gain experience in all aspects of theater: acting, directing, playwriting, and technical theater design. Students develop and

perform dramatic pieces based on original material and develop critical and analytical skills through script study and performance observations. In addition to the three full-scale productions that are performed annually, formal course work and independent studies in acting and directing are available to all students. In addition, visits to performances in art festivals and workshop productions enrich the total theater program at the school.

ACTING FOR STAGE AND SCREEN. From character analysis to combat techniques students discover and hone their unique performance style as they explore acting onstage and on camera. Students will collaborate on a historical range of text and technique from diverse playwrights to inform their performance work while participating in showcase performances and creating original short films. This is a differentiated classroom for first and second level acting students.

Major – Third, Fourth, Fifth and Sixth Forms – First or Second Semester.

ACTING: CHARACTER, COMBAT & CONTEXT. This course builds on the basics of performance through character analysis, movement/stage combat techniques, and scene work. Students work to discover and hone their unique performance style as they collaborate on a historical range of monologues and scenes while working on a production project for the end of the term. Students keep a detailed journal in addition to attending and analyzing professional theater productions. This course may be repeated if a student wishes to continue working on acting skills but does not intend to specialize by taking one of the advanced acting classes.

Major – Fourth, Fifth and Sixth Forms – First and/or Second Semester.

Prerequisite: Acting for Stage and Screen, or permission of the department.

STAGECRAFT CARPENTRY. This hands-on class covers stage carpentry processes, including building and covering scenery, rigging and flying scenic pieces, and lofting and sawing techniques. Students learn the proper and safe operation of hand and power tools commonly used in scenic carpentry as they complete personal projects and collaborate on mainstage productions.

Major – Fourth, Fifth and Sixth Forms – First or Second Semester.

THEATRE DESIGN AND PRODUCTION LAB. In this hands-on course, students will explore all aspects of technical design and theatrical direction including but not limited to constructing costumes, rigging scenery, programming lights/sound, and dramaturgy. Students in this course have the opportunity to assist with design or/direction of a mainstage production.

Major – Third, Fourth, Fifth and Sixth Forms – First or Second Semester.

The following courses are considered second level:

ACTING FOR STAGE AND SCREEN. From character analysis to combat techniques students discover and hone their unique performance style as they explore acting onstage and on camera. Students will collaborate on a historical range of text and technique from diverse playwrights to inform their performance work while participating in showcase performances and creating original short films. This is a differentiated classroom for first and second level acting students.

Major – Third, Fourth, Fifth and Sixth Forms – First or Second Semester.

PAGE TO STAGE LAB. Students engage in all aspects of stage direction and playwriting in this active, collaborative class. No experience? No problem! Through classroom exercises, script analysis, and staged readings, beginning to advanced students explore and expand upon the necessary techniques to create and direct theatrical works. This course culminates in an original play festival featuring staged readings of students' original work alongside historical and contemporary pieces. This course may be repeated if a student wishes to continue developing their skills but does not intend to specialize by taking an advanced acting class.

Major – Fourth, Fifth, and Sixth Forms (Third with permission) – First or Second Semester. **(NOT OFFERED IN 2022-2023)**

The following courses are considered third level:

ADVANCED PERFORMANCE STUDIO. This year-long course is designed for students who demonstrate strong performance techniques and have been recommended by the Arts Department. In this performance-based class, students undertake in-depth character analysis and explore sophisticated ways of expressing their character(s) as

individuals and in an ensemble. Students engage in master classes, generate original material, explore a wide range of historical techniques, and hone their skill sets through showcase performances. There is also potential for collaboration with Advanced Open Studio. As the course material and ensemble members shift yearly, students are able to repeat this course to continue advancing their skills.

Major – Fourth, Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Acting for Stage and Screen, or permission of the department.

The following course is considered fourth level:

INDEPENDENT STUDY: STUDENT DIRECTION AND DESIGN. After choosing a concentration in stage direction or design, students collaborate with the Director of Theatre and Technical Director to mount a student led production on the mainstage.

Major or Minor – Sixth Form – First and/or Second Semester.

Prerequisite: Written permission of the department.

DANCE

DANCE I. This course is an introduction to dance and movement. It is ideal for all students, actors, athletes, anyone who has never danced before, or those who dance at a beginning level. Throughout the course, students are introduced to and engage in four units: Evolution of Dance, Dance and the Human Body and Brain, Cross-cultural Dance Studies, and Social Arenas and Pop Culture. Students explore the basic principles of dance and examine the aesthetic elements of movement. Through both movement and critique, students examine various dance styles. There are explorations and formal exercises to learn how to see, generate and manipulate movement in clear and creative ways.

Major – Third, Fourth, Fifth and Sixth Forms – First Semester.

The following course is considered second level:

DANCE II. This course is designed for students who have strong technique in dance and movement and have been recommended by the Arts Department. It covers dance technique in the styles of ballet/lyrical, modern/contemporary, jazz, hip hop and a variety of partner dancing. Students explore improvisation, choreography, and dance history. Additionally, students discover how dance systems relate to language, culture, race, national origin, beliefs, history and identity. The interdisciplinary study of dance honors one's individual ancestries and the ancestries of others. The focus of this course will be on technique, performance and choreography. By committing to this course in the first semester, students enrolled in Dance II are entered into a variety of regional dance competitions in the spring and have the opportunity to compete in solo, duet, and group pieces.

Major – Third, Fourth, Fifth and Sixth Forms – Second Semester.

Prerequisite: Dance I or permission of the department.

VISUAL ARTS

The visual arts curriculum is designed to provide students with the opportunity to expand their art consciousness and to allow gifted students a chance for serious study in the medium of choice. Through a variety of courses in studio art in which they may work on drawing, painting, printmaking, sculpture, photography and film, students strive for control after experimentation. Courses concentrate on the study of the artists' aims and means. Ample extracurricular opportunities enable students to continue the creative process outside the classroom.

2-D STUDIO ART. Students work with a variety of media to explore processes, concepts and ideas to create drawings, paintings and collages. Students come away with a basic understanding of the principles and elements of art through the process of portraiture, still life, figure work, landscape, color theory and abstraction. Cultural art history and perspectives are shared in the bodies of the lessons.

Major – Fourth, Fifth and Sixth Forms – First or Second Semester.

3-D STUDIO ART. This course focuses on the fundamental elements and techniques of three-dimensional form. Sculptures will have various degrees of functional and decorative purpose as well as abstraction and realism. Students will develop visual-analysis and critical-thinking skills throughout the process and in class critiques using elements and principles of design. The course proceeds with simple forms and techniques to more challenging and

comprehensive problems addressing both additive and subtractive methods. Various materials are explored: wood, paper, plaster, fabric, mixed media, clay, and natural and found objects. Elements of art history and design are introduced in the bodies of the lessons.

Major – Fourth, Fifth and Sixth Forms – First or Second Semester.

CERAMICS I. This course combines pottery wheel skills and hand-building methods to build sensory awareness, creative dexterity and self-expression. Elements and principles of design will inform the work while additive and subtractive methods will be used to create the work. Students will explore functional and sculptural construction using stoneware clay and a broad spectrum of surface finishes. There will be a final project of creating a complete uniquely styled collection, either functional or sculptural.

Major – Fourth, Fifth and Sixth Forms – First or Second Semester.

DIGITAL ART. The curriculum of Digital Art introduces students to a whole new world of cutting-edge digital tools and develops in them the conceptual skills for creating fine art that is personal, inspired and beautiful. The portfolio we create together will consist of composite paintings, digital illustrations, album covers, laser cuts, 3D modeled light brushes, and the expressive light paintings these brushes create! Concentration will be on the acquisition of various technical skills and the refinement of aesthetic understandings of diverse contemporary digital art practices.

Major –Fourth, Fifth and Sixth Forms – Second Semester.

FILM. This hybrid studio and performance art course seeks to take the novice's interest as lifelong audience members of visual media to build a foundation in film language and techniques. In this course, they become familiar with the language and vocabulary while learning the basics of pre-production (developing an idea, storyboarding and scripting), production (shooting) and post-production (editing). Students develop the skills of creativity, collaboration, communication through the process of visual storytelling with video production exercises, screenings, critiques and class discussions.

Major –Fourth, Fifth and Sixth Forms – First Semester.

PHOTOGRAPHY I- PROCESS AND SCIENCE. Students learn the basics of black and white photography and darkroom techniques. Projects are based on a blending of historical processes with modern practices. Assignments focus on learning how to read photographs, how to create thoughtfully composed photographs, and how to communicate with visual language. Enrollment is limited to ten students per section.

Major – Fourth, Fifth and Sixth Forms – First Semester.

WOODWORKING. This course is designed to teach students the basics of woodworking in a step-by-step and machine-by-machine process building a collaboratively designed project that lays the foundation for good woodworking technique. Our emphasis will be on the achievement of a solid foundation in the skill and process of the woodworker's craft, rather than on the size and complexity of the product. The proper use of machinery with emphasis on shop safety will be reviewed. Students will be expected to learn about and safely use hand tools, power tools, and woodworking machinery. Students will expand their knowledge and experience through various projects, lessons, exposure to diverse woodworking artists and practices and technical vocabulary. The course will culminate with a capstone project that the student will build and exhibit.

Major – Fourth, Fifth and Sixth Forms – First or Second Semester.

The following courses are considered second level:

DRAWING. Experiences and ideas make meaningful art, students in this course will explore traditional, cultural and contemporary systems of drawing with an emphasis on nature. The principles of design and the elements of art will be used to emphasize the arts as an all-inclusive language. We will examine the Brooks campus environment and align it with our aesthetic views of global inclusion. We will use drawing as a form of communication to reflect each student's voice. In this course, we will be looking at our memories, dreams, and interests as additional sources of inspiration. Students will be required to work in a sketchbook and create and maintain a digital portfolio, along with their in-class project work.

Major – Fourth, Fifth and Sixth Forms – First Semester.

PAINTING. Students will delve deeply into the nuances of working with paint to express ideas, explore a concept or tell a story. Students will learn and practice strong critique and presentation techniques in order to effectively communicate their work and ideas; they will be charged with creating a series of works that address specific challenges including still life, landscape, portraiture and narrative. Experimentation in different painting media, including acrylic, gouache, watercolor and mixed media will be encouraged. Students will be required to work in a sketchbook and create a digital portfolio, along with their in-class project work.
Major – Fourth, Fifth and Sixth Forms – Second Semester.

CERAMICS II. Students will begin the semester combining functional pottery and sculptural forms using hand building and pottery wheel methods. Students will have an ongoing journal and research aspect to their physical practice of ideas that are of interest to them and that will be shared with the class weekly. As the semester progresses, they will choose a direction to either combine or isolate these methods to develop their personal point of view in either functional or sculptural work. The final quarter, they will create a cohesive body of work that will include surface finishing methods. Throughout the course, the students will also be learning and assisting the firing processes.
Major –Fourth, Fifth and Sixth Forms – Second Semester.

SCULPTURE. This course offers an in-depth exploration of 3-D forms of sculpture. While students will continue to use the basic elements and principles of design to create and inform their work, they will be asked to interpret selected subjects in multiple mediums and styles with a personal point of view. Students will explore additive and subtractive methods in clay, wood, plaster, fabric and found objects until they discover one they will work with in depth for the final quarter of the semester. Students will choose to work in degrees of realism and abstraction of different subjects such as the figure, landscape, portraiture and design while also maintaining a sketch book of developing ideas. A final project will be done in a series of three works based on the students' preference of subject and medium.
Major – Fourth, Fifth and Sixth Forms – First Semester.

ANIMATION. This beginning animation course exposes students to digital techniques used in computer animation. Emphasis is on creating movement and expression utilizing electronically generated image sequences. Students learn basic theory and mechanics behind animation develop observational and drawing skills and study the fundamental principles of design and layout.
Major – Fourth, Fifth and Sixth Forms – Second Semester. **(NOT OFFERED IN 2022-2023)**

ILLUSTRATION. This course focuses on drawing techniques as they pertain to the commercial illustration strategies, concepts, and specialized illustration techniques used by designers and illustrators. Students create illustrations in digital formats. Emphasis is on creative interpretation and disciplined draftsmanship for the visual communication of ideas.
Major – Fourth, Fifth and Sixth Forms – First or Second Semester. **(NOT OFFERED IN 2022-2023)**

PHOTOGRAPHY II - VISION AND VOICE. This course offers students an opportunity to further develop their photography skills. Students work closely with the instructor to build a visual language and curate their work for portfolios and production.
Major – Fourth, Fifth and Sixth Forms – Second Semester.
Prerequisite: Photography I, or permission of department.

JOURNALISM. Students will learn all aspects of publishing a newspaper (*The Brooks Shield*). The course entails news writing, in-class writing assignments, and journalism ethics discussions. Students will learn about various forms of journalistic styles by reading from texts that will include *In Cold Blood*, *The Right Stuff*, *Consider the Lobster*, and a variety of current news stories from publications such as *The New York Times*, *Boston Globe*, and *Wall Street Journal*. Skills students will master include interview techniques, news writing, and editing. There will also be an opportunity to lead the decision-making process for what gets included in the *The Brooks Shield*...and what doesn't.
Major – Third, Fourth, Fifth and Sixth Forms – First or Second Semester. Cross-listed with English.
Prerequisite: Completion of Photography I or Digital Art for Arts credit. Completion of English III for English credit.

The following courses are considered third level:

ADVANCED OPEN STUDIO: MEDIA ARTS. This course provides an opportunity for experienced *New Media* artists to build a portfolio in either Photography, Cinematography, Animation or Digital Art. The open studio format allows for considerable individual attention and the freedom to narrow one's focus. Combining advanced artists and passion-driven independent inquiry within the same space will establish an environment that fosters experimentation, collaboration, risk-taking, and the systematic analysis of one's work. Through long-form critiques, guided inquiry, self-discipline, and collaboration, students will prepare highly developed portfolios that focus on concept and exploration. Students will develop their unique visual language further and implement it with purpose. The portfolio students create in this course will highlight their voice by showcasing their depth, breadth, and mastery. The students in this class will curate and produce a portfolio (with option to submit to AP 2D), a Student Art Exhibition in the Center for the Arts or The Robert Lehman Art Gallery and their own permanent addition the Brooks Virtual Reality Gallery.

Major – Fifth and Sixth Forms – First and Second Semester.

Prerequisites: Portfolio review and departmental and instructor permission.

AP STUDIO ART. This course provides an opportunity for experienced visual artists to build a portfolio in either Drawing/Painting, 2D Design (photo/film) or 3D Design with a body of work that demonstrates breadth and depth. Students will submit a portfolio to the College Board in May, in addition to helping curate two Student Art Exhibitions in the Robert Lehman Art Gallery.

Major – Fifth and Sixth Forms – First and Second Semester.

Prerequisites: Portfolio review and departmental and instructor permission.

The following course is considered fourth level:

INDEPENDENT STUDY. This semester-long course allows students to study a project in art under the supervision of a member of the department.

Major or Minor – Sixth Form – First and/or Second Semester.

Prerequisite: Written permission of the department head and instructor.

WORLD LANGUAGES

Language learning unites cumulative content knowledge with a multitude of skills that challenge students to make connections and comparisons, to understand linguistic patterns, and to express themselves. The acquisition of vocabulary and grammar is inextricably linked to the cultures, both ancient and modern, in which they are used. Active use of language as well as competency in cultural literacy are the goals of the World Languages Department.

In addition, students are encouraged to study abroad to further increase their linguistic and cultural knowledge. Through the Brooks School Exchange Program, School Year Abroad programs, or independent travel programs, students have a variety of opportunities to immerse themselves in another language and culture.

All incoming students are asked to complete a placement evaluation in any language offered at Brooks in which the student has prior knowledge or experience. A student whose proficiency and command of Latin, Mandarin Chinese, French, and/or Spanish demonstrate that he/she places higher than our third level of instruction is strongly recommended either to continue the study of that language in our upper level courses or to enroll in one of the other languages offered at Brooks.

If a student's prior language experience is in a language other than Latin, Mandarin Chinese, French, or Spanish, that student is required to study a World Language offered at Brooks. The modern languages, in addition to English, are four of the six official languages of the United Nations and are among the most widely used globally. The study of classical languages continues to be a valuable pursuit as these offer unique insight into the structure of the English language as well as the impact of the ancient world on the modern one.

Members of the World Languages Department may teach independent studies in other aspects of language and culture and introductory conversational classes in other tongues as their ability and interest dictate. Examples of this may be in languages such as Ancient Greek, Arabic or German.

Classical Languages

What defines heroism? What are the limits of power? The study of Latin applies intellectual curiosity and reason to such questions as these. Students consider these issues in their own lives as they read and interpret at a deep level. Ultimately all students actively participate in their own education, think and write analytically, and consider carefully the large issues of ancient and current culture.

LATIN FIRST LEVEL. Students begin the study of Latin by using Jenney, Baade and Burgess's *First Year Latin*, a text which emphasizes the rapid acquisition of reading skills in Latin.

Major – First and Second Semesters.

LATIN SECOND LEVEL. Students continue the study of Latin grammar and vocabulary using *Fabulae Graecae* and *Fabulae Romanae*, while improving their reading and analytical skills.

Major – First and Second Semesters.

Prerequisite: Latin First Level. Placement based on assessment and department approval.

LATIN READING: DECADENCE AND GREED. Students define and discuss the Roman view of decadence in a variety of genres: oratory, picaresque novel and didactic poetry. The class reads Latin selections from Cicero's *Pro Caelio*, Petronius and Vergil's *Aeneid*. These texts are also read entirely in English. Students consider historical and cultural influences, compare ancient and modern views and actively participate in discussions. Students translate both prose and poetry, learn stylistic analysis and write cumulative analytical essays.

Major – Fourth, Fifth or Sixth Form – First and Second Semesters.

Prerequisite: Latin Second Level. Placement based on assessment and department approval.

*Latin courses at the Reading Level are offered in a three-year cycle. Each year considers a different theme and the students read different texts. Thus, students often enroll at this level for two or three years.

LATIN READING: TRANSFORMATION AND CHANGE. This course considers transformation in several ways: myth into history, Republic into Empire, and physical transformation. The class reads Latin selections from Caesar's *Bellum Gallicum*, Cicero's *In Catalina* and Ovid's *Metamorphoses*, as well as selections from *Roma* in English. Students consider cultural and historical influences, transformation in ancient and modern applications, and regularly participate in discussions. Students translate both prose and poetry, learn stylistic analysis, and write cumulative analytical essays.

Major – Fourth, Fifth or Sixth Form – First and Second Semesters. **(WILL BE OFFERED IN 2023-2024)**

Prerequisite: Latin Second Level. Placement based on assessment and department approval.

LATIN READING: LOVE AND FRIENDSHIP. Students define and discuss Roman views on love and friendship in a variety of genres: philosophy, myth and lyric poetry. The class reads Latin selections from authors such as Cicero, Apuleius, Catullus, Ovid and Vergil. Some of these texts may be read entirely in English. Students consider cultural and historical influences, success and failure, and actively participate in discussions. Students translate both prose and poetry, learn stylistic analysis, and write cumulative analytical essays.

Major – Fourth, Fifth or Sixth Form – First and Second Semesters. **(WILL BE OFFERED IN 2024-2025)**

Prerequisite: Latin Second Level. Placement based on assessment and department approval.

HONORS LATIN. Students read unadapted texts such as Catullus, Cicero, Caesar, Vergil and Ovid at an advanced level and pace. They consider genre conventions and thematic connections between the texts. They also write analytical essays of varying scope and increasing depth, consider the historical and cultural influences, and read ancillary texts in English. This course can be taken before or after AP Latin.

Major Fifth or Sixth Form – First and Second Semesters.

Prerequisite: Permission of the department.

AP LATIN. This course prepares students for the advanced placement exam in Latin.
Major –Fifth or Sixth Form – First and Second Semesters. **(NOT OFFERED IN 2022-2023)**
Prerequisite: Permission of the instructor.

INDEPENDENT STUDY. This semester-long course allows students to study a project of their own design under supervision of a member of the department.
Major or Minor – Fifth and Sixth Forms – First or Second Semester.
Prerequisite: Permission of the instructor and department.

Modern Languages

Through the study of Mandarin Chinese, French, and Spanish, students develop linguistic and cross-cultural skills in order to prepare for engagement in a global society. Courses are taught in the target language in order to best develop the four basic linguistic skills – listening, speaking, reading and writing. Advanced courses develop analytical skills for understanding literature, investigating current events, and researching important issues in various cultures around the world. Many courses use our language laboratory and incorporate technology into daily lessons. Above all, teachers and students work together in order to examine beliefs and practices and to develop an appreciation for cultures that differ from their own.

Mandarin Chinese

MANDARIN CHINESE FIRST LEVEL. In this introductory course, students learn the Pinyin Romanization system and use acquired language skills in a variety of classroom activities. While the focus is primarily on oral proficiency and aural comprehension including the mastery of tones, students are introduced to important grammar structures and learn to read and write simplified Chinese characters and to recognize them in context. At the end of this level, students have acquired the following language skills: asking and answering questions; narrating events; describing likes and dislikes; making short oral presentations in Chinese; engaging in short reading and writing activities that show a mastery of approximately 300 characters. These skills are employed within the framework of familiar contexts such as family, leisure activities, and school life and are enriched through the introduction of Chinese culture.

Major – First and Second Semesters.

MANDARIN CHINESE SECOND LEVEL. This intermediate course continues to build the language skills of first-level Chinese: oral proficiency, aural comprehension, reading, and character formation. Consistent practice develops students' ability to express themselves using more advanced vocabulary, expressions, and grammar structures. Primary emphasis on conversational fluency is complemented by an increasing focus on reading and writing skills. Students master approximately 400 additional characters and are able to recognize significantly more in context. Language study is enriched with China's history and culture through guest speakers and audio, visual, and online sources. An honors section of this course may be offered.

Major – First and Second Semesters.

Prerequisite: Chinese First Level. Placement based on assessment and department approval.

MANDARIN CHINESE THIRD LEVEL. This course continues to build the language skills of second-level Chinese: oral proficiency, listening comprehension, reading, writing, and character formation. Consistent practice develops students' ability to express themselves using more advanced vocabulary, expressions and grammatical structures. The primary emphasis on conversational fluency is complemented by an increasing focus on reading and writing skills. Students master approximately 400 additional characters and are able to recognize significantly more in context. Some modern literature is introduced. Language study is enriched with China's history and culture through guest speakers and audio, visual, and online sources. An honors section of this course may be offered.

Major – First and Second Semesters.

Prerequisite: Chinese Second Level. Placement based on assessment and department approval.

MANDARIN CHINESE FOURTH LEVEL. This course continues to build the language skills of third-level Chinese: oral proficiency, aural comprehension, reading, and writing. Consistent practice develops students' ability to express themselves using more advanced vocabulary, expressions and grammar structures. Students explore more sophisticated aspects of the language and culture as increased use of authentic materials are employed. The primary emphasis shifts from conversational fluency to formal language usage such as language used in newspapers, modern

literature and poetry. Longer texts covering social issues are introduced. Audio, visual and online sources as well as films are used to enhance students' understanding of the modern Chinese language and culture. An honors section of this course may be offered.

Major – First and Second Semesters. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Chinese Third Level. Placement based on assessment and department approval.

AP CHINESE LANGUAGE AND CULTURE. This course prepares students for the College Board's Advanced Placement Chinese Language and Culture exam. Students improve their level of Chinese proficiency across the three communicative modes (interpersonal, interpretive and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) as outlined in the American Council on the Teaching of Foreign Languages (ACTFL) standards. Student work focuses on language proficiency as well as cultural knowledge.

Major – First and Second Semesters. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Chinese Third or Fourth Level. Placement based on assessment and department approval.

ADVANCED MANDARIN CHINESE: LITERATURE. This course invites students to investigate the rich textures of traditional and contemporary Chinese culture while sharpening their reading skills. This course will reinforce students' grasp of Chinese vocabulary and grammar while also strengthening their understanding of Chinese culture and literature. Students will be introduced to famous Chinese authors/poets and their popular works. This course will grow students' interests in reading and their capacity of language appreciation. By taking this course, students' vocabulary will increase and they will enhance their logical thinking in the target language while deepening their understanding of Chinese language from the linguistics level. This course will prepare students for studying abroad in China, and enable them to participate in any Chinese speaking communities or organizations.

Major: First and Second Semesters.

Prerequisite: Chinese Third or Fourth Level. Placement based on assessment and department approval.

*Advanced Chinese courses at this level are offered in a three-year cycle. Each year considers a different theme and the students read different texts. Thus, students often enroll at this level for two or three years.

ADVANCED MANDARIN CHINESE: SOCIETY & SOCIAL LIFE. This course focuses on deciphering a changing society in contemporary China and will build reading and writing proficiency using essays on China's rapidly changing socio-cultural landscape. Students will explore complex issues like China's population boom, the challenges of finding love, financial hurdles, and more. Course curriculum emphasizes reading comprehension strategies and language acquisition techniques, teaching students to skim texts for main ideas, scan for details, and identify different types of prose. Students will study the nuances of formal written Chinese and be encouraged to implement newly learned literary forms in their writing. Writing development will also benefit from mastering the usage of high-level vocabulary and increasingly challenging sentence patterns. Their speaking skills will be strengthened by group discussion and individual presentation topics about complex social issues in contemporary China. This course will prepare students for studying abroad in China, and enable them to participate in any Chinese speaking communities or organizations.

Major: First and Second Semesters. **(WILL BE OFFERED IN 2023-2024)**

Prerequisite: Chinese Third or Fourth Level. Placement based on assessment and department approval.

ADVANCED MANDARIN CHINESE: LANGUAGE SKILLS. In this course, students will be introduced to a higher level of vocabulary, grammar, and language structures using the *Huanying* textbook V2 and workbook V2/P2 as the main texts. Students will increase their vocabulary and improve their reading comprehension, conversation skills, and writing ability. Besides learning more Chinese idioms, students will enhance their knowledge of Chinese culture and modern society throughout the year. Students will engage in interactive and integrated language practice through fun and meaningful activities centered on current events and contemporary topics such as education and the environment. Their learning experience will be continuously intertwined with communication, culture, connections, comparisons, and communities. This course will prepare students for studying abroad in China, and enable them to participate in any Chinese speaking communities or organizations.

Major: First and Second Semesters. **(WILL BE OFFERED IN 2024-2025)**

Prerequisite: Chinese Third or Fourth Level. Placement based on assessment and department approval.

INDEPENDENT STUDY. This semester-long course allows students to study a project in Chinese language, literature or culture under the supervision of a member of the department.

Major or Minor – Third, Fourth, Fifth and Sixth Forms – First or Second Semester.

Prerequisites: Permission of the instructor and the department.

French

FRENCH FIRST LEVEL. This course introduces the French language through reading, writing, speaking and listening exercises. Fundamentals of sentence structure and other grammatical concepts are introduced. Students explore French and Francophone cultures in Europe, Africa, America, and Asia. French First Level offers an immersion-based curriculum using French in Action texts and video. Class is augmented with authentic materials and conducted in French. French First Level is for students with no previous study of French or whose placement test indicates that they are not prepared to take French Second Level.

Major – First and Second Semesters.

FRENCH SECOND LEVEL. This course builds upon the foundations of grammar and vocabulary acquired in French First Level to improve reading, writing, listening, and speaking skills. Students review past grammar and learn new material through a gradual exposure to more abstract concepts. Varied literary genres are explored to increase understanding of the French and Francophone cultures. French Second Level offers an immersion-based curriculum using French in Action texts and video. Class is augmented with authentic materials and conducted in French. An honors section of this course may be offered.

Major – First and Second Semesters.

Prerequisite: French First Level. Placement based on assessment and department approval.

FRENCH THIRD LEVEL. This course increases proficiency in listening, reading, and writing while building vocabulary. Students learn more complex grammatical structures and embark on an introduction to literary analysis. Students also continue to develop oral skills through discussions on more advanced works by French and Francophone authors. French Third Level offers an immersion-based curriculum using French in Action texts and video. Class is augmented with authentic materials and conducted in French. An honors section of this course may be offered.

Major – First and Second Semesters.

Prerequisite: French Second Level. Placement based on assessment and department approval.

FRENCH FOURTH LEVEL. Francophone Cultures. Students continue to grow their speaking, writing, and conversation skills in order to deepen their understanding of the French language. Through study of the francophone world, and special attention paid to critique and questioning of cultural differences, students will grow their comfort and abilities with both written and spoken French. Grammar is treated as needed, though focus is on improving fluency and fluidity of communication.

Major – First and Second Semesters, or – First Semester.

Prerequisite: French Third Level. Placement based on assessment and department approval.

ADVANCED FRENCH: THE CHANGING FACE OF “FRENCH” THROUGH FILM. This course offers an overview of the French speaking world and current events and issues in an immersive French environment. The emphasis of this course is on francophone cultures and comparison with the students’ personal experiences. This course uses Francophone filmography and authentic materials to deepen the exploration of many topics. There is an emphasis on listening comprehension and oral production. Students should expect to challenge their opinions of what “French” is and to increase their cultural awareness.

Major – First and Second Semesters.

Prerequisites: French Third Level. Placement based on assessment and department approval.

ADVANCED FRENCH: FROM HEXAGON TO GLOBE- CULTURAL EXPANSION THROUGH LITERATURE. This course offers an overview of the French history from prehistory through the Crusades, the Renaissance, the French Revolution and ending in modern France. Students will read an assortment of literary styles, both ancient and modern, as well as augment this study with authentic visual and audio materials. Students read and discuss selected articles on social, economic and political topics in the Francophone world. This course examines important themes in Francophone literature such as negritude in Aime Cesaire and the philosophy of the

absurd in Camus, as well as other authors such as Fanon, Damas, Ben Jelloun, and Dao. They will continue to grow their understanding of historical and global issues and learn to express and compare their opinions thoughtfully and persuasively in an immersive French environment. There is an emphasis on improving written expression and reading comprehension as well as deepening grammatical understanding.

Major – First and Second Semesters. **(NOT OFFERED IN 2022-2023)**

Prerequisites: French Third Level. Placement based on assessment and department approval.

AP FRENCH LANGUAGE AND CULTURE. This course prepares students for the College Board’s Advanced Placement French Language and Culture examination through the study of literature of the 19th and 20th centuries, grammar review, and vocabulary development. Oral presentations, discussion of literature, French Internet news broadcasts, and written assignments develop reading, writing, listening and speaking for the May examination.

Major – First and Second Semesters. **(NOT OFFERED IN 2022-2023)**

Prerequisites: French Third Level. Placement based on assessment and department approval.

INDEPENDENT STUDY. This semester-long course allows students to study a project in French language, literature or culture under the supervision of a member of the department.

Major – Fifth and Sixth Forms – First or Second Semester.

Prerequisites: French Fourth or Fifth Level, and department approval.

Spanish

SPANISH FIRST LEVEL. This course introduces the Spanish language through reading, writing, speaking and listening exercises. Fundamentals of sentence structure and other grammatical concepts are introduced. Students explore diverse topics in the Spanish-speaking world such as art, history, and traditions. Spanish First Level is for students with no previous study of Spanish or whose placement test indicates that they are not prepared to take Spanish Second Level.

Major – First and Second Semesters.

SPANISH SECOND LEVEL. This course builds upon the foundations of grammar and vocabulary acquired in Spanish First Level to improve reading, writing, listening and speaking skills. Students review previous grammar and learn new material through a gradual exposure to more abstract concepts. This class explores the customs and traditions, history, geography, music and selected pieces of literature from a variety of cultures. An honors section of this course may be offered.

Major – First and Second Semesters.

Prerequisite: Spanish First Level or placement based on assessment.

SPANISH THIRD LEVEL. This course increases proficiency in listening and speaking in Spanish while building vocabulary. Students learn complex grammatical structures and writing skills in addition to the history, literature and culture of the Spanish-speaking world. Selected short stories are used as an introduction to literary analysis. An honors section of this course may be offered.

Major – First and Second Semesters.

Prerequisite: Spanish Second Level. Placement based on assessment and department approval.

SPANISH FOURTH LEVEL: CULTURE AND COMMUNITY. “Little Cuba?” Is Puerto Rico part of the U.S.? What is Hispanic Heritage Month? These questions and more are answered through a big-picture approach to understanding the actions and policies of the United States in their historic and current interactions with the Mexican-American, Cuban-American and Puerto Rican communities in this country. Also, we spend time investigating current events and themes like quality of life, politics and government, art, and travel and transportation in the context of Spanish speaking countries. Students will reflect on their own cultural values and traditions as they examine these communities through the lenses of film, music, intermediate literature, poetry and history, while building on their language learning skills. This curriculum allows students to practice social justice and advocacy by strengthening their cultural competence and promoting global citizenship in the target language.

Major – First and Second Semesters.

Prerequisite: Spanish Third Level. Placement based on assessment and department approval.

AP SPANISH LANGUAGE AND CULTURE. This course prepares students for the College Board’s Advanced Placement Spanish Language and Culture exam. Students develop and master proficiency in the four basic linguistic skills: listening, speaking, reading, and writing. Students expand their vocabulary through weekly assignments and reading selections from Hispanic and Spanish literature. In addition, students prepare presentations on relevant topics. An intensive review of grammar, guided compositions, class discussions and oral exposés reinforces skills in preparation for the AP examination.

Major – First and Second Semesters.

Prerequisites: Spanish Third Level Honors or above and department approval.

AP SPANISH LITERATURE AND CULTURE. This course prepares students for the College Board’s Advanced Placement Spanish Literature and Culture exam. Students participate in literary discussions, read literary texts in all genres, and prepare critical analysis using appropriate terminology.

Major – First and Second Semesters.

Prerequisite: AP Spanish Language and Culture and department approval.

ADVANCED SPANISH. Advanced Spanish exposes students to the various avenues through which Hispanic and Latinx identity, society and culture are studied, manifested, and experienced. This course allows students to discover the complexity of the Spanish-speaking world through examination of history, literature, and art from the Pre-Columbian through Post-Modern eras. It also emphasizes the importance of language skill acquisition, retention and application through a number of creative projects—including (but not limited to) art and film analyses, poetry writing, and research projects. The course provides opportunities to develop and demonstrate language proficiency and cultural competency.

Major – First and/or Second Semester.

Prerequisite: Spanish Third Level Honors or above and department approval.

INDEPENDENT STUDY. This semester-long course allows students to study a project in Hispanic language, literature or civilization under the supervision of a member of the department.

Major or Minor – Fifth and Sixth Forms – First or Second Semester.

Prerequisite: Introduction to Hispanic Literature, AP Spanish Language and Culture, or Literature and Culture, and department approval.

SCHOOL YEAR ABROAD – CHINA, FRANCE, ITALY, SPAIN

Brooks School is a member of the School Year Abroad (SYA) program. Students may apply to spend their fifth form year in China, France, Italy or Spain. Participants study in SYA schools and live with local families. All credits earned abroad count toward the Brooks School diploma. For further information, see the SYA coordinator at Brooks and visit the SYA website at <http://www.sya.org>.

ENGLISH

The principal goals of the English Department are to teach reading and writing in the various forms in which they appear, and to foster interest in and appreciation for the written word. We encourage students to participate in class discussion and to arrive at ideas independently, to evaluate them thoughtfully, and to share them with their peers with confidence. Classes favor a student-centered approach in which speaking and listening skills can be developed. In teaching reading we supply the tools and require their use, but believe that a student should approach a text on his or her own terms, for comprehension, analysis, and synthesis. Mostly we want to cultivate an appetite for reading, and to make the discovery – of genres, writers, themes, and characters – a source of inspiration and excitement. In choosing texts we recognize our pluralistic society and increasingly international environment.

In teaching writing we encourage students to write for real audiences, about real subjects, and to develop, recognize, and nurture their own voices. Students learn to write through practice – drafting, revising, and proofreading – and by talking about their work with teachers and sharing it with peers. Grammar and usage as well as vocabulary are

taught functionally, in context, with occasional formal instruction. Students have an opportunity for additional challenges in Advanced Placement English or in independent projects.

ENGLISH I. The goal of English I is to develop the fundamental skills necessary to read accurately and write clearly. Drawing on the foundational works of western literature, students study the human journey as depicted in canonical and contemporary texts. Students learn the techniques of reading and analyzing texts, focusing on conflict, character development and theme, while introducing grammar as necessary. As readers they analyze the questions raised by the texts; as writers they express how those ideas may influence their sense of self. Throughout the year students collect their best essays into a portfolio, which they take with them into the fourth form. Texts are chosen from the following: *The Kite Runner*, *The Odyssey*, *Beowulf*, *Grendel*, *Macbeth*, *Frankenstein*, *The Color Purple*. Major – Third Form – First and Second Semesters.

ENGLISH II. "We read to live other lives, to experience that which we can't experience at Brooks, so that we can better understand cultural differences, how we can become part of another community and yet remain ourselves." This course exposes students to canonical and contemporary writers of non-western cultures, emphasizing the universality of the human experience. Organized thematically, the course utilizes novels, short stories, poetry and drama; students develop critical skills that allow them to explore new cultures with sensitivity. By encountering the unfamiliar through literature, students not only become better readers and writers, they begin to develop the skills required of a global citizen. Major – Fourth Form – First and Second Semesters.

ENGLISH III. This course offers an exploration through literature of three deeply rooted themes in American culture. In the first semester, we examine all sides of the American Dream and what it means for the many diverse segments of the American population, from the Dream's gleaming potential to its dark underbelly. In addition to F. Scott Fitzgerald's *The Great Gatsby*, we read works from authors such as T.C. Bambara, Toni Morrison, James Baldwin, Andre Dubus, Amy Tan, Denis Lehane, Rudolfo Anaya, Langston Hughes, Arthur Miller and Sherman Alexie. In the second semester, we study Americans' fascination with exploring this vast continent, starting with Mark Twain and *The Adventures of Huckleberry Finn*, then diving into works from authors like William Least Heat-Moon, Jack Kerouac, William Faulkner, Zora Neale Hurston, Annie Proulx, John Steinbeck, Gloria Naylor and John Howard Griffin. We conclude the year by looking forward, as a culture with such a short collective history is wont to do. Works from writers such as Thomas More, Jennifer Egan, Gary Shteyngart, Edward Bellamy, Cormac McCarthy, Margaret Atwood, Ayn Rand, Tocqueville, Ray Bradbury, Kurt Vonnegut and others present a variety of views about America's possible utopian or dystopian futures. Throughout the year, students engage with multiple genres – fiction, poetry, non-fiction and drama – as well as the different movements in American literature, and with a diverse and multicultural panorama of authors.

English III is committed to student writing in many forms, from journaling to poetry, from memoir and fiction to current digital forms. But building on the English II emphasis on paragraph structure, English III focuses on the organization of the essay and the ability to gather multiple ideas and opinions into a coherent piece, using textual evidence to support an argument. Major – Fifth Form – First and Second Semesters.

The following elective courses assume completion of English III or its equivalent as a prerequisite:

AFRICAN-AMERICAN LITERATURE: This course will center around African American literature, examining it through an activist lens. Our reading and analysis of various works will help students explore issues central to African American life and experience, including legacy of enslavement, reparations, racism, police murders, mass incarceration, politics, leadership and representation. Through close reading, writing, and discussion, students will compare a variety of authors, both non-contemporary and contemporary, who are in constant dialogue, including Ta-Nehisi Coates, James Baldwin, Richard Wright, Toni Morrison, Claudia Rankine, and Angela Davis, among others. The incorporation of selected films, such as Ava DuVernay's award-winning documentary *13th*, and guest lectures will also enhance student understanding of recurring themes and concepts throughout the literature. Major – Sixth Form – First Semester.

THE CONTEMPORARY NOVEL. Too often, literature courses labeled "contemporary" refer only to the post WWII or even post colonial eras. Though these are legitimate and fascinating approaches to studying literature, they

can stretch the boundaries of what we consider *contemporary*. This course, however, is based on the premise that the strength of great literature is its direct commentary and reflection on issues faced by today's society—by the readers themselves. The novels studied in this course were all written in the twenty-first century and shed light on contemporary social, political, and cultural topics. In addition to digging into the novels' themes, we will explore how the contemporary novel breaks from the traditional boundaries of genre, narrative structure, character development, point of view, and more. Students will be called upon to reflect regularly in writing, through both literary analysis and personal reflection, and they will be expected to participate in regular classroom discussions about the novels.

Major – Sixth Form – First Semester.

THE CONTEMPORARY SHORT STORY. One of the best things about a short story is that it is, well, short. But too often, observers make the mistake of assuming that *short* means *simple*, or even *easy to write*. This is patently untrue. Short stories present worlds, characters, and themes that rival the best novels in their complexity and nuance. The short story writer is every bit as talented as a writer of novels; in fact, it could be argued that the challenge of creating depth and intricate narratives in such a small space is the greater task. And just like novels, short stories shed light on the important issues facing our society and culture today. Students in this course will read stand-alone stories as well as complete collections. Students will be called upon to reflect regularly in writing, through both literary analysis and personal reflection, and they will be expected to participate in regular classroom discussions about the stories.

Major – Sixth Form – First Semester.

CREATIVE WRITING: POETRY AND SHORT FICTION. The focus of this course is on the student's own creative writing, and the semester will be broken down into three phases. In the first few weeks of the course, students will be exposed to a wide variety of voices and mentor texts such as *Flash Fiction Forward* (ed. James Thomas/Robert Shapard), *Jesus' Son* (Denis Johnson), *First, Body* (Melanie Rae Thon) and *The Sorcerer's Apprentice* (Charles Johnson), among others, as well as poets such as William Carlos Williams, Allen Ginsberg, Mary Oliver, Nikki Giovanni, Ekiwah Adler Belendez, Saul Williams, Gary Snyder, Han-Shan, Audre Lorde, and many more. Students will delve into the elements that make up what is considered good short fiction and poetry. During this time, students will undertake a variety of poetry and fiction writing exercises to put these elements into practice. During the second phase of the course, utilizing the skills developed in phase one, students will produce their own complete pieces in *both* poetry and short fiction. During the final phase of the course, students will complete a comprehensive and well-thought out collection of works in the genre of their choice. The course will culminate in a public reading of student work.

Major – Sixth Form – Second Semester.

DYSTOPIAN LITERATURE. While not an entirely new genre, we have recently witnessed an explosion in dystopian literature. What is it about contemporary society that has given rise to such books as *The Hunger Games* and *Divergent*? Why is much of this popularity focused in YA literature? In this course, we will explore this fascinating phenomenon by reading authors such as Tom Perotta *The Leftovers*, Justin Cronin's *The Passage*, Anthony Burgess's *A Clockwork Orange*, Margaret Atwood's *Oryx and Crake*, Cormac McCarthy's *The Road* and Octavia Butler's *The Parable of the Sower*, among others.

Major – Sixth Form – First Semester.

FICTION WRITING. In this class students present and perfect their own original fiction (short stories or novel excerpts) in a workshop setting. Students should expect an intensive writing experience as well as the preparation of a series of portfolios for presentation throughout the semester.

Major – Sixth Form – Second Semester.

IMMIGRANT VOICES. Though America's identity and literature have evolved significantly since its founding, at some level we remain a nation of immigrants, and their voices lend important perspective on the American experience. From stories of immigration (simply making it here; living day to day as someone viewed as "different"; carving out a new identity) to new Americans' views of their adoptive land (how can one nation honor both diversity and assimilation?), students of immigrant literature stand to gain significantly in their understanding of our ever-evolving nation through reading, research, class discussion and writing. Students also spend time crafting their own family's immigrant story, where applicable. Works studied may include *How the Garcia Girls Lost Their Accents*

(Alvarez), *The Woman Warrior* (Hong Kingston), *The Joy Luck Club* (Tan) and *The Brief Wondrous Life of Oscar Wao* (Diaz).

Major – Sixth Form – First Semester.

JOURNALISM. Students will learn all aspects of publishing a newspaper (*The Brooks Shield*). The course entails news writing, in-class writing assignments, and journalism ethics discussions. Students will learn about various forms of journalistic styles by reading from texts that will include *In Cold Blood*, *The Right Stuff*, *Consider the Lobster*, and a variety of current news stories from publications such as *The New York Times*, *Boston Globe*, and *Wall Street Journal*. Skills students will master include interview techniques, news writing, and editing. There will also be an opportunity to lead the decision-making process for what gets included in the *The Brooks Shield*...and what doesn't.

Major – Third, Fourth, Fifth and Sixth Forms – First and/or Second Semester. Cross-listed with Arts.

Prerequisite: Completion of Photography I or Digital Art for Arts credit. Completion of English III for English credit.

MEMOIR WRITING. Writing about yourself...what could be easier? But doing it well so that you really benefit from the process of telling the stories of your life requires honesty. It can be challenging, even painful, to write about formative moments in your life transparently, but doing so helps you derive meaning from them, and is thus incredibly valuable. This course will use a combination of journaling, prompted autobiographical writing, reflective free-writes and other exercises to develop the technical skill of effective memoir writing. Students will also sharpen their ability to learn from their own (and their classmates') experiences and delve into the emotions elicited by and through writing, with the hope that they leave the class with a clearer understanding of themselves and their place in the world.

Major – Sixth Form – Second Semester.

NATURE WRITING. This course focuses on our connection with nature as expressed through literature. Students learn to blend observation with reflection and to build metaphors so that observations carry meaning beyond themselves. Drafting, revising and editing are emphasized. We examine fiction, nonfiction, memoir and poetry. Sample texts include works by Emerson, Thoreau, Whitman, MacLean, Abbey and Williams. A component of the course is an introduction to Native American literature by writers such as Momaday, Welch and Silko, in order to understand the strong connection Native peoples have to the land. Students write in a nature journal, compose descriptive essays and respond in writing to the texts covered. A final project addresses each student's sense of belonging.

Major – Sixth Form – Second Semester.

ORATORY. In this course, students read and analyze the texts of speeches throughout history through a rhetorical lens as we examine the foundational elements of a great speech. Throughout the semester, students write both analytically and creatively and engage in an extensive revision process that develops and sharpens their writing skills. Visual literacy is also explored and expanded through an examination of video recordings. Our goal is to enhance the skill and confidence our students have in written and oral communication. The class provides innovative instruction to help students refine their speech writing and delivery styles in small groups and in a classroom setting. The capstone project centers on writing, developing, and delivering a ten minute-long speech to the Brooks School community. Students engage in thorough analysis of historical speeches while receiving meaningful personal speaking instruction, which helps students to organize their thoughts, capture them on paper, and then deliver their speeches (and themselves) with purpose and confidence.

Major – Sixth Form – First or Second Semester.

SHAKESPEARE. In this seminar-styled course, the class examines three tragedies in depth: *Romeo and Juliet*, *Hamlet* and *King Lear*. The class also studies a number of Shakespeare's sonnets using a wide range of references on reserve in the Luce Library and the OED online. In addition, the class reads Tillyard's *Elizabethan World Picture* and Anthony Burgess' *Nothing Like The Sun*.

Major – Sixth Form – First Semester.

WOMEN IN LITERATURE. This course examines myriad representations of women in texts by female-identifying authors. Students look at shifting representations of women in literature from the 18th century to the present, focusing on the portrayal of women as daughters, sisters, friends, wives, mothers, and alone in society through a

variety of genres. Particular attention will be given to women who subvert societal norms or expectations of their time. Course texts may include *Mrs. Dalloway*, *Passing*, *The Bell Jar*, *Beloved*, *Fun Home*, *Little Fires Everywhere*, and selected short stories from *Interpreter of Maladies*. Essays and student-led discussions focus more particularly on specific writers and themes and stress the skills of close reading, annotation, research, and uses of multimedia.
Major – Sixth Form – Second Semester.

AP ENGLISH. This course in literary analysis prepares students for the Advanced Placement examination in English Literature. Authors read vary, but usually include Shakespeare and Faulkner.
Major – Sixth Form – First and Second Semesters.
Prerequisite: Permission of the department.

INDEPENDENT STUDY. This course is ordinarily open only to sixth formers and then by permission of the department, after approving a formal proposal submitted by the student. Meeting times are arranged in consultation between student and instructor.
Major – Sixth Form – First or Second Semester.
Prerequisite: Permission of the instructor and department.

HISTORY

In teaching history, Brooks trains students to think for themselves. The role of a secondary school in a democratic republic is to prepare students for citizenship. Students must know how to ask questions, seek answers, and communicate their findings. That is, they must be their own historians. Our curriculum is built on the notion of steadily increasing responsibility and skill so students can take charge of their own education. The History Department believes in the writing of research papers and encourages students to embark on independent study.

The sequence of required courses constitutes world history from late antiquity to the present. However, once students have demonstrated the ability to ask, seek, and communicate on a sophisticated level, they are encouraged to step up to the challenge of an advanced course or to explore another culture, preferably in a non-Western tradition.

All students are expected to follow the Pre-Modern World, Global Humanities/Modern World, U.S. History sequence unless exempted by the department. To qualify for an exemption, students must present evidence that they have mastered the skills as well as the material covered in the specific course. The history department recommends that third form students take one or both of the Pre-Modern World History elective courses before taking the required sequence starting in the fourth form year. Unless a student is taking two languages (see General Policies), Global Humanities or Modern World History is required in the fourth form. Students entering the fifth form who have not completed a U.S. History course must take a full year or secure department permission to be exempt.

PRE-MODERN WORLD HISTORY I/II. – Elective descriptions below:

In Pre-Modern World History, students learn how to read and annotate both primary and secondary history texts for understanding, and how to take effective notes. They learn to work collaboratively and practice presentation skills through different mediums. Students receive instruction on information literacy and scholarly reliability in cooperation with the school librarians. They learn how to craft thesis statements, topic sentences and form paragraphs. They work on multi-paragraph essays and familiarize themselves with Chicago citation practices before transitioning into a larger research paper project process. In this process, students learn to draft topic proposals, annotated bibliographies and outlines before completing a six-to-seven page research paper in the spring semester.
Major – Third Form – First and Second Semesters.

Death and Disease in the Ancient World

Did you know cat fat and fly droppings were remedies in Ancient Egypt? Or that Babylonian doctors thought sleeping next to a human skull for a week would end nightly teeth grinding? In this course, students examine how people of the ancient world came to view sickness and health. Studying doctors such as Hippocrates and Galen, students gain an understanding of the changing role of both physician and patient. This course also examines the roots of various medical methods, including the four humors of Western medicine and the importance of Yin and

Yang in Chinese medicine. Ultimately, the course uses death and disease as a lens in which to better understand ancient culture.

Discovering Women of the Ancient World

Empires have been ruled by them, cults have idolized them and mythological wars have been fought over them: women in the ancient world. The veneration of fertility and importance of motherhood has long provided for the recognition and celebration of half the world's population. However, patriarchal societies have also marginalized women in the public sphere and limited their legal rights and ability to wield power. This course examines the lives and legacies of women across a number of early civilizations, both eastern and western, such as ancient China, India and Mesopotamia.

Explorers in the Ancient World

Before planes, trains and automobiles, people navigated the world by foot, horseback and boat. This course focuses on the travels of people from centuries BCE and consider geography, trade and the concept of globalization as students gain a window into ancient multicultural interactions. Students examine the motives for exploration, the means of transportation, and the challenges posed by ancient travel. The legacies of explorers, such as Pytheas of Greece and Nehsi of Egypt, are debated as their discoveries led to both prosperity and conflict. Students connect the past and present as they understand the impact that exploration, innovation and imperialism have had on the world.

Heroes and Villains of the Ancient Mediterranean

From Odysseus to Caesar, from Hannibal to Attila the Hun, the period from 1500 BCE to 500 CE was filled with warriors, thinkers and leaders who would go on to represent both the best and the worst of the worlds from which they came. In this course, students examine the civilizations that gave birth to some of the most infamous historical figures of the Ancient Mediterranean world and debate whether they should be remembered as heroes or villains. By examining the political, cultural and economic legacy of key individuals, students gain a greater understanding of the interplay between individuals and their larger civilizations.

Journeying the Silk Roads

Spanning more than 5,000 miles from China to the Mediterranean world, the Silk Roads linked pre-modern Eurasia for more than two millennia. This course focuses on the movement of trade, religions, cultural practices, art, technology, disease and people along the Silk Roads and considers how the natural environment shaped these exchanges. We explore Eurasia both through ancient travel narratives and the accounts of contemporary travelers. Along the way, we virtually visit great Silk Roads cities like Chang An, the oases of the Taklamakan, Samarkand, Baghdad, Damascus and Constantinople. So pack your bag, grab a map and put on your traveling shoes.

Making of the Muslim World

The 7th century saw the prophet Muhammad give voice to what would become a dominant world religion, Islam. His word, and that of Allah, extended into Asia, Africa and Europe and exerted significant social, political and cultural influence across continents. Spanning five hundred years, this course considers the life and work of Muhammad, the Islamic caliphate and the Umayyad and Abbasid dynasties, the Sunni and Shia schism, and the Crusades in the 11th and 12th centuries.

Uncovering Ancient Africa

The Nile River gave birth to one of the earliest, longest-lasting and most influential civilizations on earth: Ancient Egypt. This course examines the power of the Nile, Egypt's emergence, unification and history under pharaonic rule, and its trade and conquest with, or at the hands of, Nubians, Hyksos and Assyrians. Sleuthing mummy mysteries, examining ancient engineering and deciphering hieroglyphs helps us to understand Egyptians' henotheistic worship and fixation with the afterlife. We progress beyond the New Kingdom to investigate Greek, Roman and Arab occupation of Egypt during the early Common Era.

Unlocking Ancient Mesoamerica and South America

How important were ritual human sacrifices to the Aztecs, Maya, and Inca? Why did the Mayans believe the world was going to end in 2012? What was the cultural significance of Machu Picchu for the Incas? Ancient Mesoamerican and South American civilizations were some of the most developed and complex in the ancient world; however, much history has been lost due to European conquest. Using current findings from archaeologists, anthropologists and historians, this course rebuilds the histories of these complex civilizations. We examine the

political, cultural, and economic developments of Mesoamerica and South America and also uncover the latest discoveries to help understand the long-term significance of these ancient cultures.

GLOBAL HUMANITIES. At the core of this class we will explore the question, “what does it mean to be human?” This course, taught jointly by the History and English departments, is intended for new fourth form and new repeat third form NCAA students to help them meet the standards expected of the comparable English and History courses. The history sequence is a comparative study of political, economic, social and cultural history. Students learn to analyze source materials and construct historical arguments based on those sources. Concurrently, the English sequence of the course utilizes novels, short stories, poetry and drama; students develop critical skills that allow them to explore new cultures with sensitivity. This course exposes students to canonical and contemporary figures, both real and fictional, of non-western cultures to emphasize the universality of the human experience. This course will meet during two course blocks and students will receive credit in both History and English. First semester we will work to understand how cultural diffusion shaped the world through the spread of religion, ideas, arts, and technology. Second semester includes an examination of justice and reconciliation in the 20th century through a study of revolutions, the World Wars and Holocaust, decolonization, and the Cold War. Current events are interwoven in each unit of study.

Major – Third and Fourth Forms – First and Second Semesters.

FOUNDATIONS OF MODERN WORLD HISTORY (WORLD HISTORY I). This course explores the foundational events and themes that have shaped world history from 1350-1911 while simultaneously exploring the necessary historical thinking, analysis, and writing skills needed for success in the Brooks History Curriculum. We begin in 1350 a time of upheaval as the Bubonic Plague has just swept through Eurasia leaving destruction throughout Asia and Europe leading to the creation of the Ming Dynasty in 1368 and the beginnings of the Renaissance in Europe. We end around 1911 while the colonial system through which Europe controls the globe is about to fall apart with World War I and the dynastic system in China is shattered with the fall of the Qing Dynasty. In between we will look at themes of Trade, Revolution, Colonization as the world grows into a unified globe through trade and politics.

Major – Fourth Form – First Semester.

Prerequisite: Pre-Modern World History or permission of the department.

MAKING OF THE MODERN WORLD (WORLD HISTORY II). – Elective descriptions below:

In Making of the Modern World students will explore the themes of the modern world with a focus on a particular region. Students will work on projects relating to worldwide events as they work to further develop their writing, discussion, primary source analysis, and research skills. Students will share their regional projects with one another to gain a deeper understanding of the interconnectedness of the modern world. Key unifying events to be covered in this course include World War I, Great Depression, World War II, Cold War, Post-Colonialism. The course focuses primarily on 1911 to the present though for context individual courses may delve further back in time to provide a foundation for events in their region.

Major – Fourth Form – Second Semester.

Prerequisite: Pre-Modern World History or permission of the department.

China and Japan

In 1911, China overthrew its centuries old dynastic system and was embroiled in warfare between opposing groups struggling for power. Japan was beginning its slow rise from isolated island to imperialist power. Yet, today China is once again a global superpower and Japan is a technological giant with minimal military. What caused these dramatic changes of fortune? This course will examine the successes and struggles of these two East Asia powerhouses and the conflicts between them that defined much of 20th century Asia and led to their current standing in the world.

The Middle East

The region commonly referred to as the Middle East has a beautiful and complex history. This course develops an understanding of major political, economic, religious, and cultural events, issues and conflicts dating from colonization and imperialism to the present. We will examine the impacts and consequences of colonization in Saudi Arabia, Palestine/Israel, and Iran as well as the cultural and religious histories in this region. This course concludes with a student driven research project on a current event/topic.

Modern India

India, one of the fastest growing nations in the world, is rapidly changing and modernizing. Yet this subcontinent is divided with over 19,000 languages and dialects spoken, 9 major faiths practiced, and over 1.3 billion people. How did India become an independent nation? How has India modernized so quickly? This course will start with a consideration of the British East India Company and the British Raj. We will then study the road to independence, partition, and present day we explore the history, culture, politics and economy of this subcontinent. We will delve into impacts of colonialism, nationalism, partition, and the modern state as well as interactions with key religious identities and regions within India and Asia.

Sub Saharan Africa

Modern Africa returns to the advent of the transatlantic trade to look at how the African Diaspora has shaped various regions differently. The course will examine the distinct differences between the regions of Africa starting with West Africa and the slave trade, East Africa during decolonization post World War, South Africa for development of Apartheid, returning to West Africa for the Cold War and Kwame Nkrumah. Through the entire exploration we will examine how the European's definition of race, the African Diaspora, and Imperialism have shaped the countries of Africa and how Africa has sought to decolonize politically, economically, and socially in recent years. Students will leave with a greater understanding of contemporary issues in Africa and the history behind these ideas.

Understanding the Americas

This course will explore the developments during the twentieth century to the present in the Americas, with a focus on events occurring in Latin America, the Caribbean, and South America. Beginning with a grounding in the rationales for the Haitian and Latin American revolutions of the early 19th century and their long-term effects on their neighbors, specific attention will be paid to the unique experiences of different nations in these regions as they emerged as independent nations and maneuvered their own unique paths in their postcolonial periods. The cultural heritage of each nation studied will be explored including pertinent issues of race, ethnicity, class, and gender.

BUILDING THE AMERICAN REPUBLIC. This course is a survey of U.S. history from the colonial period to Reconstruction. The focus is on the political and economic development of the American Republic. Major topics include colonial America, the American Revolution, the Constitution, slavery, the Civil War, and Reconstruction. Major – First Semester.

Prerequisite: Modern World History or the permission of the department.

THE AMERICAN CENTURY. This is a continuation of U.S. history from the Gilded Age to the present. Political and economic development and the modernization of the United States are emphasized. Major topics include industrialization, imperialism, progressivism, the Great Depression, the World Wars; the Cold War; and the Civil Rights Movement. The required sequence of the two electives prepares students for the SAT subject test in United States history.

Major – Second Semester.

Prerequisite: Building the American Republic or the permission of the department.

AP UNITED STATES HISTORY. This course is taught as an introductory-level college course. Students are challenged to read and write intensively, with understanding and skill. They must be facile with both facts and ideas. Much self-discipline and dedication is required to stay abreast of the daily assignments, review regularly and prepare a substantial research paper. Students take this course to prepare for the Advanced Placement examination in United States History.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Permission of the department.

ADVANCED HISTORY CAPSTONE SEMINAR. Designed for students who wish to pursue history at a collegiate level of excellence, this course will teach students the methods of a historian and allow them to use those techniques to pursue advanced research in a subject of their choosing. For this year long course, students will submit an area of interest the spring before the class. The instructor will use student interests to shape the contents of the readings each year. In the fall, readings will be taken from academic level history journals such as the American Historical Review. Students will learn to write abstracts, article and book reviews, and literature reviews to aid them in acquiring the methods of a historian and the background research they will need to produce an advanced college

level history paper. In the winter and spring, students will then research and write their own original primary source research paper and learn to critique and provide feedback to their fellow students on their work. The course will culminate with a defense before the faculty and presentation of these papers to the school community. When appropriate students will also pursue venues to have their papers published in an appropriate academic journal. Because of the intensity and depth of this class will go beyond the AP, this course will receive AP weighting.

Major – Sixth Form – First and Second Semesters.

Prerequisites: Prior history AP coursework or permission of the department.

ART HISTORY: ART AS DISSENT. Throughout history, art has often been used by artists to express an idea about their identity, culture, or politics. This class will examine how art has been used to move beyond mere aesthetics into ideas and how they use the visual medium to convey these ideas. How have artists throughout history spoken out against a mainstream idea or looked at the world differently? What controversy have been the result and how have they changed the world either for good or bad? In addition, art is sometimes created particularly to support a particular movement of dissent such as with recent artists working with the women's movement. We will explore disparate artists from around the world such as Pablo Picasso, Kara Walker, Faith Ringgold, Judy Chicao, Ai Weiwei among many others. We will also examine recent art controversies and look at current artists who are pushing the boundaries to make their point known. How has the reaction of their art moved the world?

Major – Fifth and Sixth Forms – First Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Completion of the history requirement.

CIVICS: ELECTION AND CAMPAIGNING. Who runs for political office and what leads to their success? This course will examine United States political campaigns and elections. Specific attention will be given to the role of money, the media, interest groups, political parties, voter demographics, and how voters make decisions through the course of a campaign cycle. Students will learn about campaign finance, and the Supreme Court decisions that have shaped our campaigns and elections. History and current events will be discussed, as students debate issues ranging from the merits of the electoral college to the viability of a third-party candidate.

Major – Fifth and Sixth Forms – First Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Completion of the history requirement.

CIVICS: FEDERALISM AND LOCAL POLITICS. In this course, students will think about the challenges presented to the Founders of the nation as they balanced local interests with those of the nation. As the United States has grown, this balance has shifted over time and federalism has shaped the nation's past, present and future. This course examines political issues and institutions at town, state and national levels. Students will discuss political culture, demographics, state elections, political parties and public policies. Regional values and corresponding governmental policies vary greatly across America. Studying Massachusetts's legislation on marriage equality, marijuana legalization and health care provide case studies to better understand how decisions made at the state level can affect national discourse.

Major – Fifth and Sixth Forms – Second Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Completion of the history requirement.

CIVICS: THE SUPREME COURT, JUSTICE, AND SOCIETY. This course will explore the evolution of the interpretation of rights by the Supreme Court. We will explore landmark court cases. This will include minority rights, women's rights, rights of the accused, property rights, gay rights and reproductive rights. We will explore these cases through an in-depth look at the Court and its rulings including written court opinions, amicus curiae briefs, and oral arguments.

Major – Fifth and Sixth Forms – Second Semester.

Prerequisite: Completion of the history requirement.

CIVICS: THE SUPREME COURT AND THE FIRST AMENDMENT. This course will explore the evolution of the interpretation of first amendment rights by the Supreme Court. This will include a number of first amendment topics. What is permissible and non-permissible speech? Is flag burning beyond first amendment protection? How has the Court balanced a free press with national security and censorship? Why are libel, slander, incitement to crime and violence, and obscenity outside of first amendment protection? We will explore these cases through an in depth look at the court and its rulings including written court opinions, amicus curiae briefs, and oral arguments.

Major – Fifth and Sixth Forms – Second Semester.

Prerequisite: Completion of the history requirement.

CRIMINAL JUSTICE. This course examines how crime and punishment have been defined, represented, and constituted in the United States. The course will begin with an overview of the historical development of criminal law and legal institutions, followed by a consideration of contemporary practices of policing, surveillance, and incarceration. Topics to be studied include historical and contemporary expressions of race, class, gender, sexuality, and national identity in and around the criminal justice system. By the end of the course, students will be able to explain and interrogate aspects of criminal law and legal institutions and experiment with quantitative and qualitative research methods.

Major – Fifth and Sixth Forms – First Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Completion of the history requirement.

ECONOMIC HISTORY I: COLONIALISM TO WWII. This class is about the history of our modern economic world. What were the technological, social and political developments that turned a society of home producers and merchants into a world of consumers and corporations? We will examine the history of merchant trading and how it developed into laissez-faire capitalism with the first industrial revolution. We will learn about the effects of wealth accumulation and the changing division of labor on owning and working classes. We will study the origins of the Lowell system and its subsequent transformations with steam power and the second industrial revolution. We will learn about how laissez-faire economic philosophy in the gilded age led to boom-bust business cycles, accelerating attempts to organize labor, and the culture of conspicuous consumption. Throughout this history, we will study how the class structure influenced and was changed by these economic developments. We will draw on historical and economic scholarship, historical documents and artifacts, in-class simulations and games, and cultural products like novels, movies and art.

Major – Fifth and Sixth Forms – First Semester.

Prerequisite: Completion of the history requirement.

ECONOMIC HISTORY II: COLD WAR TO PRESENT. This is a class in the political economy of the United States since the Great Depression. Topics include economic growth trends from the 1920s onward and the technological, societal and geopolitical forces that accompany them. We will study the history of banking, taxation, market regulation and infrastructure investment. We will learn about macroeconomic models of economic growth and development as well as fiscal and monetary policy in order to explain the world as we live in it now and the trends that will take us forward. We will learn tools for doing social and economic history and we will examine the history of economic thought and policy as it shaped and was shaped by historical events. Topics of study may also include: The histories of inequality, economic development, war and peace, and international trade; the history of change in labor force composition and participation; and historical debates about the ethics of redistribution and economic justice. We will draw on historical and economic scholarship, historical documents and artifacts, in-class simulations and games, and cultural products like novels, movies and art.

Major – Fifth and Sixth Forms – Second Semester.

Prerequisite: Completion of the history requirement.

HISTORY OF HUMAN HEALTH & DISEASE. From leeches to surgical robots, from the Bubonic Plague to COVID-19, this interdisciplinary course explores advancements in medicine and their impact on human health and society from ancient history to the modern era from both historical and scientific perspectives. We will travel through time, studying how human health has been impacted by various spheres of life including politics, ethics, the environment, public health, genetics, technology, and the social implications of the health care system. Students will have the opportunity to execute several hands-on activities designed to examine human nature at its core.

Major - Fifth and Sixth Forms – Second Semester.

Prerequisite: Completion of the history/science requirements.

HISTORY OF HUMAN RIGHTS. This course explores the history of human rights at both the national and international level. This course begins by discussing what it means to be a human and considers what rights should be universal and inalienable. Using case studies, students also explore violations of human rights where discrimination has been based on stereotypes, race, minority groups, gender, disability, and ethnicity. Within these case studies, we discuss the development of human rights theories and practices, early efforts at an international response, and the creation of a modern human rights agenda. Students examine humanitarian interventions in Rwanda, South Africa (Apartheid), Darfur, Nazi Germany (Holocaust/Nuremberg Trials), and the United States (Civil Rights). Each of these places has undergone a violation of human rights in regards to either wars of

aggression, war crimes, or crimes against humanity. In addition, students examine globalization, terrorism, and the role of the United States and the United Nations in the current human rights debate.

Major – Fifth and Sixth Forms – First Semester.

Prerequisite: Completion of the history requirement.

INTERNATIONAL RELATIONS. This course will explore the histories, concepts, theories, and practices of international politics and political economy. Moving between regional and topical approaches to the understanding of both international politics and political economy, students will study how international trade, security and conflict, international law and organizations, and human rights shape and are shaped by actors across national borders. Simulations, position papers, and engagement with contemporary current events will define the classroom experience, as students strive to understand and critique their global community.

Major – Fifth and Sixth Forms – Second Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Completion of the history requirement.

LATIN AMERICAN HISTORY. This course explores the conquest, colonization and development of Latin America and the Caribbean. From initial encounters between Iberians and indigenous peoples, through the destruction of European colonial bonds, to the cultural legacy left behind, this class examines how this region of the world defines its independence. Art, music, literature and film are discussed in an effort to familiarize students with a rich and diverse cultural heritage.

Major – Fifth and Sixth Forms – Second Semester.

Prerequisite: Completion of the history requirement.

LATINX STUDIES. This course is an interdisciplinary survey of the peoples, histories, cultures, and legacies that constitute Latinx experiences in the United States. Acknowledging that the term “Latinx” refers to a heterogeneous and diverse group of peoples, we will explore the various groups that comprise the term ‘Latinx’: Mexican-Americans or Chicaxs, Puerto Ricans/Nuyoricans, Cuban-Americans, Dominican-Americans, and Central and South Americans. Focusing on historical and contemporary topics, this course will introduce students to issues of class, ethnicity, race, gender, education, religion, and the intersections of Latinx experiences with that of African Americans and the Indigenous peoples of North America.

Major – Fifth and Sixth Forms – Second Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Completion of the history requirement.

MIDDLE EASTERN STUDIES. This course examines the history of the Middle East and develops an understanding of major political, economic, religious, and cultural events, issues and conflicts from the post-colonial era to the present. We focus on five countries/case studies including women’s rights in Saudi Arabia, the Palestine/Israel conflict, the causes and consequences of the Islamic Revolution in Iran and the rise of ISIS and recent developments in the region. The course will culminate in independent student research.

Major – Fifth and Sixth Forms – Second Semester.

Prerequisite: Completion of the history requirement and permission of the department.

MORE THAN A GAME: THE HISTORY OF SPORTS AND CULTURE. This course will examine the influence sports has had on social and political change. This course will highlight individuals, countries, and organizational movements. The course will begin by highlighting the first Olympic games and will move through World History highlighting athletic turning points to the present day. Some topics that will be included are the history of the Olympic games, the fight for racial and gender equality, and individual activism. Students will have the opportunity to read a wide range of primary documents, examine videos about athletes, and read oral histories.

Major – Fifth and Sixth Forms – Second Semester.

Prerequisite: Completion of the history requirement.

NATIVE AMERICAN STUDIES. “At Brooks School, we live and learn on land once of the Penacook people, and we acknowledge their enduring presence.” Where are the Penacook now? Using local history as a springboard, we will study the resilience, resistance and diplomacy of indigenous nations in response to colonization, and explore how Native Americans have shaped the formation of the United States. This course will examine indigenism and sovereignty to better inform an exploration of contemporary Native American cultures, and special attention will be paid to current events.

Major – Fifth and Sixth Forms – First Semester.

Prerequisite: Completion of the history requirement.

RACE, GENDER & CLASS IN AMERICA. In this elective, we use historical case studies to explore the gap between American ideals and the reality of inequality and discrimination based on race, gender, and class. Topics of reading and discussion include the O.J. Simpson case, Leonard Peltier, the death penalty, the coeducation movement, busing, and Title IX. Students are required to write a substantial research paper and make an oral presentation of their work.

Major – Fifth and Sixth Forms – First Semester.

Prerequisite: Completion of the history requirement and permission of the department.

21st CENTURY UNITED STATES HISTORY. This course examines important social, political, cultural, and economic events in US History since the year 2000 through the lenses of power, race, gender, and class. In addition, we look at issues facing historians and teachers of US History today. Thus, we seek to understand both the state of the country and the state of the profession. What role should history and historians play in guiding citizens and leaders? What can we learn from the past to change the present? Is there hope for the United States? Among the topics discussed: white supremacy, the 2000 election, the Supreme Court, the war on terror, poverty, Presidents Obama & Trump, the Great Recession, climate change, the status of Native Americans, protest movements, higher education, the 1619 project, the Flint water crisis, immigration, American foreign policy, higher education, gender inequality, and the COVID pandemic.

Major – Fifth and Sixth Forms - First Semester.

Prerequisite: Completion of the history requirement.

INDEPENDENT STUDY. Students may propose projects at or away from the School under the supervision of a member of the department.

Major – Sixth Form – First or Second Semester.

Prerequisite: Completion of the history requirement and permission of the instructor and department.

EXCHANGE PROGRAM. This course is the academic component to the Exchange Program. The purpose of the course is to prepare students to participate as active, informed and inquisitive ambassadors, and upon their return, to constructively reflect upon their experiences with the Brooks community. Students apply in November for six- to nine-week stays in the spring at our sister schools in Botswana, France, Hungary, Scotland, and Spain; or in the summer at our sister school in Peru. Selection is competitive. The course is required for those selected.

Minor – Fifth and Sixth Forms – Second Semester.

MATHEMATICS

Mathematics is a combination of science, language and art. The math department strongly believes that it is only through early discipline that creativity is possible. Students learn formulas, translate words into symbols, and finally graph the results. Introductory courses teach the fundamentals, enabling students to manipulate numbers and formulas with confidence. Intermediate courses reiterate previously learned concepts while building upon definitions and terminology. In the process, students develop models, turning data into equations, defining their meanings, and depicting them on graphs. From this a larger picture appears, one in which individual topics merge into a coherent whole. At the upper level, the study of calculus provides the backdrop for the use of statistical measures, derivations, rigorous proof, and real world applications.

A NOTE ON CALCULATORS

The Brooks School mathematics department uses the Texas Instruments TI-83 or TI-84 graphing calculator and overhead in all levels of mathematics. By allowing the calculator to do the tedious arithmetic, students have a greater opportunity to more thoroughly understand the concepts involved, to find more than one solution method, and to recognize relationships between the algebraic and graphical solutions. The mathematics department requires that all students have a TI-83 or TI-84 graphing calculator. The TI-89 is a very different kind of calculator and is useful in the upper-level mathematics courses. A departmental statement on calculator use is introduced to all students at the start of the school year.

FIRST YEAR ALGEBRA. The first semester introduces the language of algebra and functions while emphasizing reading, writing, and evaluating algebraic expressions. In addition, it deals with the fundamental operations of polynomials, linear equations, and linear inequalities. The second semester covers linear systems, quadratic equations, factoring, fractional equations, radicals, and radical equations.

Major – First and Second Semesters.

In all courses from Geometry through Second Year Algebra, there are "Honors" sections, which are so designated on a student's transcript. Students enter such sections by invitation of the Department.

GEOMETRY. The first semester introduces students to the terms, definitions, postulates, and theorems that form the basis of Euclidean geometry. It also explores the notion of formal proofs. Topics covered include parallel lines, congruent triangles, similar triangles, right triangles, and polygons. The second semester covers right triangle trigonometry, oblique triangle trigonometry, circles, area of planar figures, surface areas and volumes of three-dimensional objects, and an introduction to vectors and/or matrices. In both semesters, students utilize Geometer Sketchpad.

Major – First and Second Semesters.

SECOND YEAR ALGEBRA. The first semester reviews, reinforces, and explores more deeply the concepts of a first-year algebra course. The concept of functions, particularly linear and quadratic functions, is more fully developed. The second semester explores the logarithmic, exponential, rational, irrational, and variation functions. The study of sequences, series, and probability completes the course.

There is an emphasis on modeling realistic examples from life and using the full capabilities of the graphing calculator.

Major – First and Second Semesters.

At the conclusion of the Second Year Algebra course, the student has fulfilled the mathematics requirement at Brooks School. Based on department recommendation, students may then pursue the following elective courses.

PRE-CALCULUS. This is a two-semester course that serves as an introduction to the elements of Pre-Calculus. It is designed for students who have not been recommended for the Advanced Pre-Calculus course. It is also designed for those who may be interested in pursuing the non-Advanced Placement Calculus course or math electives during the following year. Topics include the study of polynomial, exponential, logarithmic and trigonometric functions. The graphing calculator is used extensively, and students create mathematical models to solve realistic problems. The syllabus also includes some preparation for the SAT subject tests.

Major – First and Second Semesters.

Prerequisite: Completion of Second Year Algebra.

ADVANCED PRE-CALCULUS. The first semester of this course continues the study begun in second year algebra of the modeling of linear, quadratic, logarithmic, exponential, and variation functions. Composite and inverse functions are also examined. The trigonometric and circular functions are also introduced in this course. The second semester studies trigonometric equations and identities; non-right triangle trigonometry; conic sections; complex numbers; polar numbers, equations and graphs; parametric equations and graphs; sequences and series; probability; and vectors.

Major – First and Second Semesters.

Prerequisite: Completion of Second Year Algebra with an honors grade and permission of the department.

HONORS ADVANCED PRE-CALCULUS AND DIFFERENTIAL CALCULUS. This full-year course is a fast-paced and rigorous introduction to Pre-Calculus. It is designed to be the first year of a two-year program that concludes with the study of AP Calculus (BC). This course is open only to students who have been invited by the mathematics department.

Major – First and Second Semesters.

Prerequisite: Completion of Second Year Algebra with an honors grade and permission of the department.

CALCULUS. This is a full-year course that introduces students to the elements of Calculus. It is designed for students who do not elect to study the Advanced Placement syllabus. A thorough understanding of Pre-Calculus is

needed.

Major – First and Second Semesters.

Prerequisite: Completion of Pre-Calculus or Adv. Pre-Calculus and permission of the department.

PROBABILITY & STATISTICS. Students develop the skills to collect, analyze and interpret data, as well as develop proficiency in the use of spreadsheets. We are inundated by numbers that communicate powerful messages. As a citizen in today's society, one must be able to interpret the real story behind the numbers. Likewise, given the overwhelming amount of data available to us, we must be able to make sense of the data – to tell its story. This is not a math-intensive course, but rather a class focused on building analytic skills and writing stories about data. Students complete several projects, at least one of which is based on data of the student's own choosing.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Completion of Second Year Algebra.

AP STATISTICS. This year long course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. All students are required to take the Advanced Placement examination.

Major – First and Second Semesters.

Prerequisite: Completion of Pre-Calculus or Advanced Pre-Calculus and permission of the department.

AP MICROECONOMICS. This year-long course offers the equivalent of a one-semester college-level introductory microeconomics curriculum. The course will prepare students for the Advanced Placement Microeconomics examination. Beyond the AP Microeconomics curriculum, students will be exposed to utility theories driving consumer choice, game theory as it applies to the strategic actions of firms, and econometric methods. The goal of the course is to present and test through experimentation the basic theories explaining consumer behavior, resource allocation and organizational decision making.

Major – First and Second Semesters.

Prerequisite: Advanced Pre-Calculus and permission of the department.

AP CALCULUS (AB). This course follows closely the syllabus as outlined by the Advanced Placement program of The College Board. The first semester includes the topics of limits and derivatives with attention given to the concept of rate of change, optimization and graphing techniques. The second semester continues with work in the trigonometric, exponential and logarithmic functions. It also explores the concept of the integral and all of its applications including the fundamental theorem of calculus. Students need to have done honors-level work in Pre-Calculus and must have departmental permission to gain entrance to this course. All students are required to take the Advanced Placement examination.

Major – First and Second Semesters.

Prerequisite: Completion of Advanced Pre-Calculus with an honors grade and permission of the department.

AP CALCULUS (BC). This course continues the study of calculus begun in the second semester of *Honors Advanced Pre-Calculus and Differential Calculus*. After completing the course work as defined in *AP Calculus (AB)*, students proceed to the more advanced topics for the Advanced Placement BC examination. These topics include infinite series, Taylor series, differential equations, delta-epsilon proofs, vector analysis, length of curves, surface area, advanced integration techniques, and parametric functions.

Major – First and Second Semesters.

Prerequisite: Completion of Honors Advanced Pre-Calculus and permission of the department.

MULTIVARIABLE CALCULUS. The first semester of this full-year course includes vector algebra and geometry, cylindrical and spherical coordinates, three-dimensional surfaces, vector functions, velocity and acceleration, speed, tangent and normal vectors, arc length and curvature. The second semester covers functions of several variables, partial differentiation, grad, div, curl, tangent plane, normal line, level curves/surfaces, extrema and Lagrange's method, multiple integrals, change of variables, Jacobian applications, vector analysis, and more complex differential equations.

Major – First and Second Semesters.

Prerequisite: Completion of AP Calculus BC and permission of the department.

AP COMPUTER SCIENCE PRINCIPLES. This yearlong course introduces students to the foundational concepts of computer science and computational thinking, and explores how computing and technology impact our world. As outlined by the Advanced Placement program of the College Board, students will focus on the “7 Big Ideas”-- creativity, abstraction, data and information, algorithms, programming, the Internet, and global impact. All students are required to take the Advanced Placement examination, which consists of a written exam and two artifacts.

Major – First and Second Semesters.

Prerequisite: Permission of the department.

ENGINEERING: PRODUCT DESIGN. Students have a hands-on introduction to the product design process from conceptualization to prototype construction through 3D printer and testing. Students learn many skills including engineering graphics communications, technical sketching, and CAD (Computer-Aided Design). Students work in groups and learn to function effectively in a team.

Major – Fifth and Sixth Forms – First Semester. *Prospective DI/II athletes- this course is not NCAA approved.*

Prerequisite: Permission of the department.

ENGINEERING: DIGITAL DESIGN. Students have a hands-on introduction to the principles and practices of digital design, one of the first core courses in the discipline of electrical and computer engineering in college. Students study topics such as analog vs. digital, different number systems, Boolean algebra, transistor network design, combinational circuits, sequential circuits and more. Design methodology using both discrete components (using breadboard) and hardware description languages (using FPGA) is implemented in the laboratory portion of the course.

Major – Fifth and Sixth Forms – Second Semester. *Prospective DI/II athletes- this course is not NCAA approved.*

Prerequisite: Permission of the department.

COMPUTER PROGRAMMING & CODING THROUGH APPS. Students are introduced to programming with creating an app in mind, either iOS or Android. Students explore simple coding through their TI calculators and transition to learning MIT’s AppInventor, a GUI-based coding. After gaining some experience in simple programming, students learn Java or Objective-C and eventually create apps starting with classic games such as Tic-Tac-Toe or Flappy Bird.

Major – Fifth and Sixth Forms – Second Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Permission of the department.

INDEPENDENT STUDY – TOPICS. The content depends upon the interests of the students and the instructor involved, and allows a student to work in close association with a teacher in an area of mutual mathematical interest.

Major or Minor – Sixth Form – First or Second Semester.

Prerequisite: Permission of the instructor and department.

SCIENCE

Living in a highly technological society requires that all students have some background in the sciences. Thus the major objectives of the Science Department are:

- To create an interest in and help students understand a body of useful scientific knowledge of the organic and inorganic worlds.
- To train the students in the scientific approach – critical thought, inductive and deductive reasoning to solve problems.
- To give the student sufficient background in a specific science to continue study at a higher level.
- To help the student prepare for Advanced Placement examinations in science.
- To develop skills in scientific writing.

In Physics, Chemistry, Biology, Environmental Science and Anatomy & Physiology, there are "Honors" sections which are so designated on a student's transcript. Students enter such sections by invitation of the Department.

PHYSICS. This first laboratory science course covers all the principle topics in physics, with an emphasis on conceptual understanding as well as problem solving. Labs and demonstrations play a central role in the course, with much learning taking place through doing and discussion. Extensive use is made of technology. Computers are used routinely for data collection, data analysis, simulation exercises, research, and practice tests. Topics studied include mechanics, properties of matter, waves and optics, and electricity and magnetism. This course serves as a foundation for further study in all the sciences, including chemistry and biology.

Major – Third, Fourth and Fifth Forms – First and Second Semesters.

CHEMISTRY. Designed with the belief that science is best learned through first-hand experience and discussion with peers, this course uses a theme-based curriculum designed to ground the study of chemistry in the natural world and everyday life. Guided inquiry promotes scientific reasoning, critical thinking and a greater understanding of concepts. The course consists of six possible units – Alchemy, Smells, Weather, Toxins, Fire, Show Time – each organized around a specific body of chemistry content that students can relate to common life examples. The ultimate goal is to lead students to think like scientists and understand the nature of scientific discovery. The course promotes the development of the skills and scientific literacy that students need to become citizens who can make informed decisions about their health, the environment, energy use, nutrition and safety.

Major – Fourth, Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Physics.

BIOLOGY. This course emphasizes an analytical approach to the study of biology. Classes involve at least one lab per week and culminate with a year-end, independent investigation. Development of critical thinking and independent learning prepares students for college-level lab sciences. Major topics include ecology, cell biology, genetics (Mendelian and molecular), biotechnology, evolution, human physiology, and plant and animal classification.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisites: Physics and Chemistry or permission of the department.

AP BIOLOGY. This advanced placement course is designed for the student who wishes to specialize in biology. It presupposes one year of biology and one year of chemistry. The course is equivalent to a first-year college course in biology, and course materials used are college-level texts, laboratory manuals, and supplementary readings in periodicals and paperbacks. All students take the Advanced Placement examination which may lead to credit and/or advanced placement in college. The course is laboratory-oriented, with two periods of laboratory and four of recitation. Content includes the characteristics, variants and organization of life, metabolism, responsiveness and coordination, reproduction, evolution, and ecology. Some of the areas covered in the laboratory include work with the centrifuge and the living cell, enzymes and the biochemistry of living organisms, genetics and evolution, and biotechnology equipment for running polymerase chain reactions and electrophoresis.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisites: Physics, Chemistry, Honors Biology and permission of the department.

AP CHEMISTRY. This advanced placement course covers topics introduced in Honors Chemistry in greater depth, and is the equivalent of a first-year college chemistry course. As such, students study college texts and laboratory experiments, and gain valuable preparation for any further science courses. All students take the Advanced Placement Chemistry examination, which may lead to college credit and/or advanced placement. Topics covered include atomic and molecular structure, chemical equilibria, chemical kinetics, thermodynamics and electrochemistry. Laboratory work is a key component of this course.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisites: Honors Chemistry, Second Year Algebra and permission of the department.

AP ENVIRONMENTAL SCIENCE. This college-level course provides a framework for understanding the complex interactions between the physical environment and human populations globally and locally, long-term and short-term. The fast-paced, demanding class covers topics including ecology, population growth, chemistry of the atmosphere, water quality, energy resources, agricultural productivity, biodiversity and environmental ethics. Self-motivated and curious students will find opportunities for independent research and projects in addition to the laboratory work required in the class. All students take the Advanced Placement Environmental Science examination.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisites: Two previous laboratory science courses and permission of the department.

AP PHYSICS. This course is designed for the student wishing to specialize in a physical science or any of the engineering disciplines including civil, mechanical, electrical or biomedical engineering. All students take the Advanced Placement Physics C-Mechanics examination. Students explore topics in the six following content areas: kinematics, Newton's laws of motion, work, power and energy systems, circular motion and rotation, oscillations, and gravitation. The course focuses on the application of introductory differential and integral calculus to solve problems related to the topics above. The course utilizes guided inquiry and student-centered learning to foster the development of critical-thinking skills through problem-solving and independent lab work.

Major – Sixth Form – First and Second Semesters.

Prerequisites: Calculus or higher, taken concurrently, or permission of the department.

ANATOMY AND PHYSIOLOGY. An introduction to human anatomy and exercise physiology, this full-year course surveys the structure and function of the major systems of the human body and how they are connected to attain maximum physiological potential. First semester focuses on the language of anatomy, homeostasis, and the muscular, skeletal, and nervous systems. Second semester focuses on the cardiovascular, respiratory, digestive, immune and excretory systems. This class includes case studies, forensics labs, and student presentations on diseases and disorders. The final project of the course is completion of a cat dissection.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Physics, Chemistry and Biology, and permission of the department.

HONORS ANATOMY AND PHYSIOLOGY. This full-year course surveys the structure and function of the major systems of the human body including skeletal, muscular, nervous, endocrine, immune, cardiovascular, respiratory, digestive, and excretory. Laboratory work and dissections plus student presentations and projects are an integral part of this course. Students also have an opportunity to learn more about careers in medicine and health professions through partnerships with surgeons who work in the Merrimack Valley and Boston.

Major – Fifth and Sixth Forms – First and Second Semesters.

Prerequisite: Physics, Chemistry and Biology, and permission of the department.

ANIMAL BEHAVIOR AND ZOOLOGY. This semester-long course explores the tremendous diversity of animal life and the interconnectedness of different animal species with each other and with humans. The first part of the course explores the classification and characteristics of all the animal phyla, with an emphasis on the evolution of animals and the adaptations that have allowed such diversity to flourish. The second part of the course focuses on many different animal behaviors (including human behavior). We will learn about different types of behaviors – from innate (genetic) behaviors to learned behaviors. The social interactions between animals will be covered in depth as we study courtship, aggression, altruism, and parental behaviors in animals. The course will utilize a number of interesting articles, discussions, activities, videos, and projects to give a wider perspective of the animal kingdom and animal behavior.

Major – Fifth and Sixth Forms – First or Second Semester.

Prerequisite: Physics, Chemistry and Biology, and permission of the department.

EVOLUTIONARY BIOLOGY. This semester-long course will examine how the process of evolution has created the vast biological diversity found on our planet. One major focus of the course is the study of the many adaptations that led to the evolution of humans as a species. Other areas of exploration in the course include natural selection, sexual selection, taxonomy, embryology, and evolutionary fitness.

Major – Fifth and Sixth Forms – First Semester. **(NOT OFFERED IN 2022-2023)**

Prerequisite: Physics, Chemistry and Biology, and permission of the department.

HONORS BIOTECHNOLOGY. There is no doubt that conceptual leaps, new ideas, and paradigm shifts have led to great advances in scientific knowledge. Have you ever wondered if these would have had the same impact without the technological advances that make them possible? The discovery of DNA, increasingly sophisticated microscopes, and the development of *in vitro* assays that faithfully reproduce cellular functions are just a few examples of technological advances that have spurred on many areas of cell biology. This semester-long course will provide students with a comprehensive introduction to the scientific concepts and laboratory research techniques utilized in the field of biotechnology. Together, we will explore topics of microbiology, immunology, genetics,

genomics, bioinformatics, bioethics, and perform a series of extensive laboratory projects aimed to provide students with an introductory understanding of biotechnology.

Major – Fifth and Sixth Forms – First Semester.

Prerequisite: Physics, Honors Chemistry and Honors Biology, and permission of the department.

HISTORY OF HUMAN HEALTH & DISEASE. From leeches to surgical robots, from the Bubonic Plague to COVID-19, this interdisciplinary course explores advancements in medicine and their impact on human health and society from ancient history to the modern era from both historical and scientific perspectives. We will travel through time, studying how human health has been impacted by various spheres of life including politics, ethics, the environment, public health, genetics, technology, and the social implications of the health care system. Students will have the opportunity to execute several hands-on activities designed to examine human nature at its core.

Major – Fifth and Sixth Forms – Second Semester.

Prerequisite: Physics, Chemistry and Biology, and permission of the department.

HUMAN IMPACT ON THE ENVIRONMENT. This semester-long course will examine the many ways in which humans impact the environment. The aim of the course is to increase scientific literacy regarding the environmental impacts of our actions so students can make informed decisions in the future. Students will learn to assess the validity of information and will acquire the skills needed to address and identify misinformation. Major topics covered in the course include climate change, pollution, waste production, land use, and fossil fuel consumption.

Major – Fifth and Sixth Forms – First or Second Semester.

Prerequisite: Physics, Chemistry and Biology, and permission of the department.

HONORS NEUROSCIENCE. This semester-long course examines the function and structure of the human nervous system. Beginning with a detailed study of the brain and neurochemistry, the focus will be on the biological basis for learning, memory, emotion, addiction, and behavior. Additional topics will include the role of the nervous system in sensation, hunger, movement, and various neurological and psychiatric disorders. Students will demonstrate their knowledge through a variety of assessments including projects, case studies, papers and traditional examinations.

Major – Fifth and Sixth Forms – First or Second Semester.

Prerequisite: Physics, Honors Chemistry and Honors Biology, and permission of the department.

INTRODUCTION TO ELECTROMECHANICAL ENGINEERING. This semester-long course will introduce students to the engineering design cycle and real-world applications of engineering. The class will analyze great engineering designs of the past and will explore how to use engineering to solve problems, improve designs, and innovate. We will review some of the concepts learned in Physics such as Energy Conservation, Mechanical Energy, Electrical Energy, and Electromagnetism (Electric Motors). Students will spend time understanding the internal combustion engine and its history, culminating with a thorough study of the science and engineering behind electric vehicles. Throughout the semester, students will work on an engineering challenge that will involve building a solar power electric race car and improving upon its design. By the end of the course, students will walk away with a complete understanding of today's electric vehicles as well as the economic, societal, and political implications of the adoption of EVs in today's world.

Major – Fifth and Sixth Forms – First or Second Semester.

Prerequisite: Physics, Chemistry and Biology, and permission of the department.

ROBOTICS. This course is designed to introduce the student to the field of engineering and technical problem solving. Students work in teams while applying scientific principles in designing, constructing and operating efficient and economical structures and systems. Projects involve data acquisition systems, remote sensing, field monitoring and robotics among others. In addition to projects, students may be involved in contests or competitions outside of the classroom. Topics covered include basic electronics, analog and digital communications, binary logic, input-output devices, computer programming, materials engineering, structural design and cost-benefit analysis.

Major – Sixth Form; Fifth Form with permission – First and/or Second Semesters. **(NOT OFFERED IN 2022-2023)**

Prerequisites: Two lab sciences including Physics, Second Year Algebra and/or permission of the department.

ROYCE INDEPENDENT RESEARCH PROJECT. Students may propose projects at or away from the School under the supervision of a member of the department. Expenses for such projects are financed by the generous support of the Robert Royce Fund.

Major or Minor – Fifth and Sixth Forms – First or Second Semester.
Prerequisite: Permission of the department.

SPECIAL PROGRAMS

Design Thinking is a set of processes and principles by which designers, businesses, corporations and artists all use to develop their ideas. In this course you will learn the foundational principles of Design Thinking and will apply that knowledge to design solutions, products, structures, and systems. We will combine Digital Fabrication with Design Thinking by utilizing the Makerspace Technologies (3D Printer, Laser Cutter, Vinyl Cutter and Heat Press) through a series of themed Design Challenges, ranging from recreating famous structures from history to developing solutions to daily challenges here at Brooks. Finally, you will work in teams to leverage your experience with the Design Thinking process and technical knowledge to develop and produce a Capstone Design Project. If you consider yourself creatively inclined, interested in how ideas become reality, or want to experience what it feels like to produce, innovate, or invent something from scratch, this course is for you!

Minor – Pass/Fail – Fourth, Fifth and Sixth Forms – First or Second Semester.

SELF IN COMMUNITY

Self in Community is a comprehensive four year program designed to provide discussion-based learning opportunities for students throughout their careers at Brooks. Students will have the opportunity to explore and develop their understanding of self, expectations and responsibilities of a citizen within the Brooks community and beyond, and their understanding of relationships with others. The curriculum seeks to explore developmentally appropriate aspects of wellness such as identity development, physical, emotional, and spiritual health, diversity and ethics, as well as leadership and transition after Brooks.

Classes within the Self in Community series will be held annually for all grades, automatically scheduled for students and meet either once or twice per week.

**At Brooks School, we seek to provide
the most meaningful educational experience
our students will receive in their lives.**

**Brooks School
1160 Great Pond Road
North Andover, MA 01845
www.brooksschool.org
(978) 725-6300**