EXETER SUMMER

UPPER SCHOOL

(STUDENTS CURRENTLY IN GRADES 9 – 12)

2024 COURSE CATALOG

PHILLIPS EXETER ACADEMY

Exeter Summer

2024 UPPER SCHOOL COURSE CATALOG

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UPPER SCHOOL

Upper School is for students who have completed grades 9, 10, 11 or 12. As an Upper School student, you have the freedom to design your own academic curriculum by selecting courses from the more than 100 courses offered by Exeter Summer. Boarding students are **required to take three academic courses.** Day students may take one, two, or three academic courses. Students may also sign up for the optional Live Online SAT Preparation course for an additional fee. The Live Online SAT Prep course **does not count towards the three-course load requirement** for Upper School boarders. **Upper School day students enrolling in the Live Online SAT Prep course must also enroll in at least one academic course.**

All Upper School boarding students participate in a physical education class for at least one hour four afternoons per week (Monday, Tuesday, Thursday and Friday) between 3:00pm and 5:00pm. **Note: Physical Education is optional for Day students.**

Students may, for an additional fee, enroll in private music lessons, the Live Online SAT Prep course, or replace the two sessions of sports with Exeter Rowing Club, Exeter Soccer Club, or Exeter Volleyball Club. Upper School students may also participate in musical or choral groups.

The coursework requires student participation in group discussions for all classes. All students must have a high level of English proficiency to attend the program.

DESIGNING YOUR OWN CURRICULUM

Exeter Summer regularly reviews and revises course offerings to meet the changing interests and needs of our students. Course offerings give students a wide range of academic choices. While every effort is made to honor first-choice courses, student enrollment into alternate courses may be necessary. **You should give careful thought to selecting courses and alternates as it is difficult to make changes once the program has begun.** Please review the course descriptions and levels of proficiency required to ensure that the courses you select are appropriate. On the application, select courses from each format with alternate choices. Most students choose courses in three separate disciplines.

>>> **IMPORTANT**: Exeter Summer reserves the right to cancel courses and limit the size of classes where necessary. If a class is cancelled, students will be reassigned to an alternate course and notified of the change.

COURSE AND FORMAT SELECTION

You will choose courses and alternate courses from each format. If accepted, your selection and course availability will determine your course schedule. The format is the meeting time for a given course. Some courses are offered in multiple formats. Carefully select courses and alternate courses without selecting the same courses in different formats.

When selecting courses:
- Review the course descriptions in this catalog for prerequisites and grade requirements.
- Select a course and an alternate course from each format.
- Each course selected should be unique.

- Choose alternate courses that differ from your previous selections.
- After making your course selections, you will have the opportunity to choose your pre-ferred format combination.

Day students can elect to take 1, 2, or 3 courses. You will indicate the number of courses you would like and make your course selections with alternate choices for all formats. Then you will have the opportunity to indicate a preference for the course formats.

The Charles J. Hamm '55 Leadership Program
This special program is an alternate option for students. It consists of two courses: *Leadership* and *The Practical Leadership Seminar* and a third class from your selection in either Format C or D. Students applying for the leadership program should indicate so on the application. Admission to this program is limited and selective.

PREREQUISITES AND GRADE LEVELS
Prerequisites listed in the course description enable students to choose the appropriate level of a course. In addition, each course lists the appropriate grade level(s) which the student should be entering. In the final assigning of students to courses, proficiency rather than grade level alone is the essential consideration. Adjustments based upon academic ability may be made during the first few days of classes.

COURSE CHANGES
It is impossible to honor all students' first-choice courses. Carefully select your alternate courses on the application. Exeter Summer reserves the right to cancel courses and limit the size of classes where necessary. If a class is cancelled, students will be reassigned to one of their alternate courses and notified of the change.

Any course change request must be made by a parent/guardian via email to Exeter Summer (summer@exeter.edu). Course change requests will not be accepted by phone.

Requests for a course change submitted before May 15 will be considered. Reassignment to a different course is based upon availability. Course change requests are expected to be kept to a minimum.

Any requests for course changes after the start of the program must be teacher-initiated and approved by the Director. **No course changes will be made after the first Wednesday of the program.**

TUITION AND FEES

2024 UPPER SCHOOL PROGRAM

Boarding Student: $10,400
- includes:
  - three academic courses
  - room and board (all meals)
  - PE classes from general offerings

Day Student: $2,000
                            per course
- includes:
  - meals while on-campus
  - PE classes from general offerings (optional)

Optional Extracurricular Fees:

SAT Preparation Course (Live Online):	$975
Exeter Rowing Club	$1,100
Exeter Soccer Club	$1,000
Exeter Volleyball Club	$1,000
Music Lessons	
- Full Lesson (five 50-minute)	$425
- Half Lesson (five 25-minute)	$250

DAILY SCHEDULE SAMPLE FOR UPPER SCHOOL

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Brunch 9:00 – 12:30	A–Format 8:30 – 9:20	A–Format 8:30 – 9:20	A–Format 8:30 – 10:00	A–Format 8:30 – 9:20	A–Format 8:30 – 9:20	B–Format 8:30 – 10:00
	B–Format 9:30 – 10:20	B–Format 9:30 – 10:20		B–Format 9:30 – 10:20	B–Format 9:30 – 10:20	
	Assembly 10:30 – 11:20	Student Free Time 10:30 – 11:20	C–Format 10:10 – 11:40	Student Free Time 10:30 – 11:20	Residential Life Time 10:30 – 11:20	D–Format 10:10 – 11:40
	C–Format 11:30 – 12:20	C–Format 11:30 – 12:20	Campus Activities and off Campus Excursions	C–Format 11:30 – 12:20	C–Format 11:30 – 12:20	Campus Activities and off Campus Excursions
	D–Format 12:30 – 1:20	D–Format 12:30 – 1:20		D–Format 12:30 – 1:20	D–Format 12:30 – 1:20	
	E–Format 1:30 – 2:30	E–Format 1:30 – 2:30		E–Format 1:30 – 2:30	E–Format 1:30 – 2:30	
On Campus Activities and Off Campus Excursions	Sports: see your schedule	Sports: see your schedule		Sports: see your schedule	Sports: see your schedule	
	Optional Activites 7:00 - 8:15	Optional Activites 7:00 - 8:15		Optional Activites 7:00 - 8:15	Optional Activites 7:00 - 8:15	
Dorm Check–in 8:30	Dorm Check–in 8:30	Dorm Check–in 8:30	Dorm Check–in 8:30	Dorm Check–in 8:30	Dorm Check–in 8:30	Dorm Check–in 10:30

Breakfast: 6:45am – 8:45am, Monday – Saturday
Lunch: 11:30am – 2:00pm, Monday – Saturday
Dinner: 5:00pm – 7:00pm, Monday – Sunday

Course Listing by Format

FORMAT A

THE ARTS
Theater
Introduction to Acting

Visual Art
Architectural Design Process
Clothing Design & Construction
Digitial Photography
Oil Painting

COMPUTER SCIENCE
Computing & Society - Intro. to Programming

ENGLISH & WRITING SKILLS
Classical Mythology
Creative Writing
Debate & Argumentation
Grasping Grammar
Great Books/Great Reading
Writing the College Admissions Essay

ENGLISH FOR NON-NATIVE SPEAKERS
Becoming a Confident Writer
Grasping Grammar

HEALTH AND HUMAN DEVELOPMENT
The Science of Happiness

HUMANITIES AND SOCIAL SCIENCES
History
U.S. History

Humanities
Philosophy & Everyday Life
Religion in a Secular World

Psychology
Introduction to Psychology

Social Sciences
Economics & Business Principles
Economics through Games
Global Economics

LANGUAGES AND CULTURE
Beginning French
Beginning Spanish

MATHEMATICS
Algebra 1 to Geometry
Algebra 2 to Precalculus
Cryptography

SCIENCE
Molecular Biology
Genetic Engineering

Physics
Introduction to Physics
Relativity & Quantum Physics

Other Sciences
Current Topics in Environmental Science
Human Physiology & Anatomy

FORMAT B

THE ARTS
Theater
Introduction to Theater Performance

COMPUTER SCIENCE
Diving into the World of App Design
Introduction to Web Design

ENGLISH & WRITING SKILLS
The Craft of the Essay
Writing the College Admissions Essay
Writing Process Workshop

ENGLISH FOR NON-NATIVE SPEAKERS
Creative Writing

HEALTH AND HUMAN DEVELOPMENT
Mediation in the Morning

HUMANITIES AND SOCIAL SCIENCES
Humanities
Bioethics
Moral Imagination: Story, Critique, Hope
The Media & Society

Psychology
Introduction to Psychology

Social Sciences
Criminal Justice
Economics & Business Principles
Politics: Power & Responsibility

LANGUAGES AND CULTURE
Intermediate French
Japanese through Anime

MATHEMATICS
Geometry to Algebra 2
Graph Theory

SCIENCE
Biology
Introduction to Biology
Marine Biology

Chemistry
Introduction to Chemistry
Nuclear Science

Other Sciences
Bioethics
Observational Astronomy

FORMAT C

THE ARTS
Film
Introduction to Film/Media Studies

Theater
Speechmaking

Music
Introduction to Jazz

Visual Art
Architectural Design Process
Clothing Design & Construction
Drawing: Learning to Look

COMPUTER SCIENCE
Computing & Society - Intro. to Programming
Introduction to Data Structure & Algorithms

ENGLISH & WRITING SKILLS
Creative Writing
Debate & Argumentation
Great Books/Great Reading

ENGLISH FOR NON-NATIVE SPEAKERS
Grasping Grammar

HEALTH AND HUMAN DEVELOPMENT
Euphoria: The Human Pursuit

HUMANITIES AND SOCIAL SCIENCES
Humanities
Global Justice
Philosophy & Everyday Life

Psychology
Introduction to Psychology
Social Psychology

Social Sciences
Economics & Business Principles
Global Economics
Leadership & Society

LANGUAGES AND CULTURE
Beginning Italian

MATHEMATICS
Algebra 2 to Precalculus
Logic

SCIENCE
Biology
Advanced Biology

Molecular Biology
Genetic Engineering

Chemistry
Advanced Chemistry

Physics
Introduction to Physics

Other Sciences
Exploring Careers in Animal Science
Human Physiology & Anatomy
Modern Astrophysics

FORMAT D

THE ARTS
Dance
Dance Workshop

Film
Video Production

Theater
Introduction to Theater Performance

Music
Chamber Music

Visual Art
Ceramics

COMPUTER SCIENCE
Data Science for Beginners
Game Programming

ENGLISH & WRITING SKILLS
Crime Fiction
Fan Fiction
The Craft of the Essay
Writing Process Workshop

ENGLISH FOR NON-NATIVE SPEAKERS
Becoming a Confident Writer

HEALTH AND HUMAN DEVELOPMENT
Care & Keeping of You

HUMANITIES AND SOCIAL SCIENCES
History
Understanding War & Peace
World War II in Asia

Psychology
Introduction to Psychology
Neuropsychology

Social Sciences
Criminal Justice
Investing in a Changing World
Leadership for a Better World

LANGUAGES AND CULTURE
Beginning German
Intermediate Chinese

MATHEMATICS
Advanced Precalculus & Higher-Level Mathematics
Introduction to Statistics

SCIENCE
Molecular Biology
Transgenics

Chemistry
Introduction to Chemistry

Other Sciences
Introduction to Electronics

Course Listing as of 02/29/24

The Arts: Dance, Film, Theater, Music, and Visual Art

The Arts Department offers a range of artistic experiences in the studio, classroom, and rehearsal space designed to challenge students and open a new world of creative possibilities. Arts Week, the final week of the program, features exhibitions, stage, and assembly performances from students.

■ Dance

Dance Workshop

SDD-DAN | Format D | All Grades (two levels: introduction and intermediate/advanced)
Through daily technique classes and rehearsals, students will learn movement vocabulary and explore several American dance genres: modern, jazz, musical theater, and hip-hop. Instructors pair technique classes with dance history. The Exeter Summer Dance Company prepares for a culminating mixed-repertoire performance in the Goel Center for Theater and Dance during the final week of the session. Students will perform original dance pieces choreographed by instructors, and will have the opportunity to dance in their own and/or peer choreography. Through this course, students develop a deeper appreciation for dance and gain confidence both on and off stage. Students of all experience levels are welcome and will be placed in either an introductory or intermediate/advanced class by the teachers on the first day. Both classes will perform together in the dance company performance at the end of the session.

>>> **Due to the required practice and rehearsal time, students enrolled in this class will have dance rehearsal as their afternoon sport**.

■ Film

Introduction to Film/Media Studies

FIL-IFM | Format C | All Grades
In this course students will enter the world of cinema through theory, criticism, and analysis. A survey of the films that shaped (and continue to shape) generations, genres, and national histories will be reviewed. This class will introduce students to the different techniques of cinematography, editing, lighting, and sound that have been used and discuss their artistic significance and influence. Simultaneously, this class will investigate the diverse critical approaches for interpreting film and provide close examinations of directors, cinematographers, screenwriters, and production companies. Students will learn to use film to develop their writing and argumentation skills, prose, and critical thinking abilities.

Video Production

FIL-VID | Format D | All Grades
Are you curious about what it takes to make a documentary film? In this introductory class you will learn the fundamentals of innovative video making. You and your classmates will produce a short creative video featuring the campus and your fellow students. Some of the skills learned will include using a video camera, shot composition, recording sound, and editing. Students will shoot the activities of their fellow students in class as well as during leisure time, assemblies, field trips, and athletics. The final product will be an entirely student-produced overview of the summer program in documentary format. Students of all experience levels are welcome, although it is an introductory level course.

■ Theater

Introduction to Acting

SDD-IAC | Format A | All Grades

This course is a creative introduction to the acting process. You will engage in both collaborative and individual exercises in concentration, breath-release, and physical/vocal improvisation. Students will gain a familiarity in projecting the voice, ensemble building, and building on-stage confidence . The course will build on out-of-class assignments including monologue memorization and scene rehearsals. You will be assigned either a classical or contemporary monologue to work on in class. In addition to this expectation, you will be assigned to work one scene, contemporary or classical. Under the instructor's direction, a final in-class scene performance will bring the wide range of acting elements into synthesis. Each student leaves with a well-rehearsed monologue suitable for college or professional theater auditions.

Introduction to Theater Performance

SDD-ITP | Format B, D | All Grades

This course is designed for students who have little to no experience in theatre but yearn to learn more about the fundamentals of theater and the actor's craft. The course focus is for students to develop skills in public speaking, giving/receiving constructive peer feedback, performing original and historical text, and movement work from various sources including: Capoeira, Viewpoints, mindfulness work, Lecoq Method, etc. Students learn the process of rehearsal, gain acting skills from many techniques (including Stanislavski, Meisner, Chekhov, and Demidov), and acquire basic theater history knowledge. Students will create and perform often. Through the process of storytelling, students have a platform to freely express who they are and their own stories. At the end of the course, students present what they have learned in a showcase of compiled scenes and monologues.

Speechmaking

SDD-SPE | Format C | All Grades

Do you want to learn how to prepare and deliver speeches in formal and informal environments? This class will provide you with plenty of experience in both respects. We will stress the mastery of basics such as poise, use of gestures, vocal emphasis, appropriate volume, adequate eye contact, and ongoing awareness of audience response. We will focus on writing techniques that appeal to logic, emotion, and our credibility as speakers. Using text and video, we will analyze a wide range of speeches for effective writing and delivery strategies, and we will respond with constructive criticism to each other's work throughout our ongoing process of revision and reflection.

■ Music

The Music Department invites every Exeter Summer student, from advanced performer to absolute beginner, to study an instrument, sing in a chorus, play chamber music, or learn jazz improvisation. Whatever your level, we have a place for you. Come join us! *Note: Upper School boarding students have the option of adding any music course listed below as a fourth course.*

Chamber Music

SMU-CMB | Format D | All Grades

This is a class devoted to the practice and performance of instrumental chamber music from the Baroque era to the twenty-first century. Through coached participation in small ensembles and work with improvisational techniques you will enhance your skills as a chamber musician, develop creative interpretation of a variety of musical styles and perform in a public concert. Chamber Music is recommended for the intermediate to advanced instrumentalist.

Introduction to Jazz

SMU-ITJ | Format C | All Grades

This is an introductory course designed for young musicians with little or no experience in jazz. The course is designed to present some fundamental components of the improvisational process. Components will include:

exposure to early jazz history in New Orleans around the beginning of the 20th century; the study of the lives of some significant jazz figures like Louis Armstrong, Thelonious Monk, Charlie Parker, and Duke Ellington; intense research into and a report about the life of a jazz musician of choice, jazz listening sessions, an introduction to jazz theory through practice with intervals and chords, and many opportunities to connect directly with the music itself by learning how to play a basic "blues" progression and other simple jazz tunes types in a combo setting.

Private Music Lessons

The Academy offers lessons in voice and a variety of instruments. ***Students who wish to take music lessons should indicate so on the application. Lessons may be added until May 15, 2024.***

>>> Cost for Private Music Lessons:
$425 for five 50-minute lessons
$250 for five 25-minute lessons

■ Visual Art

It is our mission to create an experience that focuses on the process, excitement, and hard work of making art. Students pursuing an art portfolio suitable for college submission are encouraged to enroll in the department course offerings where fundamentals are taught. All students enrolled in studio courses will exhibit their work in the Student Art Exhibit in the Frederick R. Mayer Art Center on campus during the final week of the session.

Architectural Design Process

SAR-ADP | Format A, C | All Grades

This course is an introduction to the architectural design process. Students learn basic principles of architectural design as well as techniques for developing and graphically communicating architectural ideas such as sketching, drawing, and model building. Projects include creating your own architectural design studio as well as designing a poster to represent your research on an architect or work of architecture. This course goes outside the classroom, literally, to engage students with the Academy campus and beyond to study the human experience in the built environment. While the practice of using a sketchbook will be a central element of this course, no previous study in architecture or drawing is necessary.

Ceramics

SAR-CER | Format D | All Grades

Did you like to play in the mud when you were little? Still do? Like the idea of being able to have your morning tea or coffee in a mug you made yourself? Want to eat your ice cream from a bowl you made yourself? If you answered 'Yes' to any of these questions, this class is for you! Try your hand at the potter's wheel (and other methods) and you will go home with a variety of cups, bowls, and who-knows-what made of oven, microwave, and dishwasher safe ceramic ware. While you're at it you just might learn a thing or two about making art by hand – things like proportion, symmetry, emphasis, texture, contrast – as well as the fine art of moisture control with clay, proper body mechanics on the potter's wheel and how to glaze your finished work.

>>> ***No prior ceramics experience is necessary.***

Clothing Design and Construction

SAR-CLO | Format A, C | All Grades

In this course you will learn how to conceptualize, design, and build your very own garment! No previous experience is required, just an open mind and love for fashion. You will learn the elements of design and how to work with multiple mediums. You will get to know fashion design terminology and the design process by studying experts in the worlds of fashion and theater. From there, you will produce your own original rendering, learning the basics of machine sewing and hand stitching along the way. At the end of the course, you will have an overall understanding of design, how to communicate that design, and how to make it a reality!

>>> ***Limit: 8 students per format***.

Digital Photography: The Creative Experience
SAR-DPH | Format A | All Grades

Students who are interested in learning how to use their digital camera or smart phone camera will find this a very informative course. This introduction to photography stresses the photographic image as a significant visual statement. Through the work done on various assignments, students learn how to make effective compositions that are expressive and meaningful. Along with the photographic assignments, we will learn about the basic elements of composition, such as color theory, shape, form, and texture, as well as elements of the history of photography.

>>> ***Students are required to bring a digital camera or smartphone. However, a digital camera is strongly recommended for a more complete experience.***

Drawing: Learning to Look
SAR-DRW | Format C | All Grades

If you want to learn how to draw or develop the skills that you already have, then this is the perfect class for you. In this observational drawing course, students have the opportunity to develop a thoughtful understanding of design, form, proportion, light and shadow, perspective, and space through a series of drawings from observation. Students will learn how to render and shade objects ranging from basic shapes (such as cubes and cylinders) to more complex objects. Finally, the class will progress to drawing portraits and learn about all the concepts that encompass them, including anatomy, mood, and form. This course uses different mediums including pencil and black and white charcoal.

Oil Painting
SAR-OIL | Format A | All Grades

This course is a stress-free introduction to water-based oil painting. Students will explore the paint through basic forms, color mixing, painting techniques, and composition. They will rework a master painting and then explore their own piece of choice whether it is portraits, landscapes, or still life. We will also look to past and present artists for insight, and we will bring multiple perspectives to our paintings through group critiques. This is an all levels class and no prior experience is necessary. The more advanced students can further develop their technique and get personalized lesson plans.

Computer Science

The Computer Science Department at Exeter Summer is committed to the belief that through a combination of group activities and individual exploration students acquire problem solving skills. Our objective is that every student become comfortable using a computer, whether in the area of information technology (applications) or in computer programming. Students are challenged to express themselves using current technology available through Exeter's extensive technological resources. Each course stresses cooperative work, problem solving techniques, structured use of applications, and ethical uses of the computer within a community.

Computing and Society - Introduction to Programming
CMP-IPR | Format A, C | All Grades

This is an introductory course on how to write a simple program, talk to a computer, and recognize the impacts of computer programming on society. While we learn the technical skills necessary to write a program, much time will be spent on honing your logical thinking skills and working collaboratively to debug your own code. To learn the basics of computer science, you will use a tool called *Processing* that uses visual outputs to showcase what you have asked the computer to do. Throughout the summer, projects will challenge you to not only think algorithmically, but also creatively, as you make design choices that highlight your personal aesthetics. You will also explore how computing impacts society through multiple discussions during the session. By the end of this course, you will be confident in your new computer science skills. You will come away knowing how to approach a problem from a programmer's point of view and be ready to take a full year of computer science at your high school. You will also finish the session with complete and functional programs that you can share with family and friends!

>>> *Students are required to bring their own laptop computer that is capable of downloading software and can charge using a U.S. plug. Chromebooks, tablets and iPads cannot be used in this course.*

Data Science for Beginners
CMP-DSC | Format D | All Grades

According to the *Harvard Business Review*, "Data is the next big thing". But what exactly is data? What does data look like on a computer? How can we use data to make well-informed decisions? This course provides an introduction to data science. Students will start by thinking about the relevance of digital data in their own lives, as well as its ethical concerns. Then, using the Python coding language, students will implement real-world data sets and manipulate them through algorithms and computational mathematics to extrapolate data points and make predictions about the future. During the last week, students will gather their own data and process it using Python to draw conclusions about a topic of their choice.

>>> *Students are required to bring their own laptop computer that is capable of downloading software, has a USB port, and can charge using a U.S. plug. Either Windows or Mac computers are fine; Chromebooks, tablets and iPads cannot be used in this course.*

Diving into the World of App Design
CMP-APD | Format B | Prerequisite: Introduction to Computer Science or AP Computer Science

This course will introduce you to the basics of iOS App Design using Swift Playgrounds®, an intuitive and fun programming interface developed by Apple®. In addition, students will have a basic introduction to Apple's integrated development environment (IDE) Xcode. Through the building of iOS apps, students will learn some fundamental computer science concepts while gaining experience and discovering new techniques for app design.

>>> *This is an intermediate course which requires a basic understanding of programming.*

>>> *Students are required to bring their own laptop computer (macOS® preferred) or iPad that is capable of downloading software, has a USB port, and can charge using a U.S. plug. Chromebooks and tablets cannot be used for homework in this course.*

Game Programming

CMP-GAM | Format D | Prerequisite: Introduction to Computer Science or AP Computer Science

Think about the online games that you play. Have you wondered how software engineers write these programs? Is it complex? Actually, it is not too difficult, but it does take time to learn how to write programs that use animation. This course will introduce you to the basic concepts of game programming. You will gain an understanding of basic animations, movements, and collision detection using graphics and sound while learning the elemental principles of creating a dynamic game. You will leave with an appreciation of the technical skills needed to be a game designer and write a few of your own games to play with friends. Some basic computer programming knowledge – with familiarity with object oriented programming and control statements – is strongly recommended.

>>> *This is an advanced level programming course which requires a strong understanding of basic coding.*

>>> *Students are required to bring their own laptop computer that is capable of downloading software, has a USB port, and can charge using a U.S. plug. Either Windows or Mac computers are fine; Chromebooks, tablets and iPads cannot be used in this course.*

Introduction to Data Structure and Algorithms

CMP-IDS | Format C | Prerequisite: at least one Computer Science course at the high school level

What is a Red-Black Binary Search Tree? What is Timsort? What is image compression? Every day we interact with data structures and algorithms. As you type a question into Google™, a search algorithm predicts the rest of your question. When you sort files on your computer by name, a sorting algorithm quickly rearranges your files. In this advanced level course, students will program rudimentary data structures and algorithms in the Java™ programming language. A design project that implements a data structure or algorithm in an interactive program completes the coursework.

>>> *Students are required to bring their own laptop computer that is capable of downloading software, has a USB port, and can charge using a U.S. plug. Either Windows or Mac computers are fine; Chromebooks, tablets and iPads cannot be used in this course.*

Introduction to Web Design

CMP-IWD | Format B | All Grades

Now is your chance to create your own website from scratch! This course is suited for both new and experienced programmers alike. Students will explore the basics of web design by learning HTML language and its features, such as: the navigation bar, header, fonts, and div elements. In addition, students will implement a CSS stylesheet to their HTML website for increased customization. By the end of the course, students will be able to create a rudimentary website interface (front-end). In the final two weeks of the program, students will create their own website and upload it to GitHub™, so they can access their site following Exeter Summer.

>>> *Students are required to bring their own laptop computer that is capable of downloading software, has a USB port, and can charge using a U.S. plug. Either Windows or Mac computers are fine; Chromebooks, tablets and iPads cannot be used in this course.*

English and Writing Skills

The Exeter Summer English Department believes that students learn best when they are actively engaged with the material and each other. At the heart of each class are student-generated and centered discussions at the Harkness table about literature, student writing, and themes of social and moral significance. Attentive and responsible preparation and participation is required from each member of the class. The English Department also believes that written expression is an integral part of learning, communicating, and thinking. You can expect to engage in the process of writing and to develop the skills of peer-editing and revision in both literature and writing courses. All courses are designed to enhance speaking, listening, reading, writing, and thinking skills.

Classical Mythology
EWS-CLM | Format A | All Grades
From the Trojan War to Orpheus and Eurydice, the stories of classical mythology have influenced us for thousands of years. Classical myths continue to appear regularly in art, literature, film, television, and theatre, from the plays of Shakespeare to the recent musical *Hadestown* and Rick Riordan's *Percy Jackson* series. In this introductory course we will examine some of the major characters and their stories through reading, discussing, and writing about ancient sources. The course focus is on writing to build an argument using literary evidence from ancient sources. Readings may include Hesiod's *Theogony*, the dramas of Sophocles and Euripides, Ovid's *Metamorphoses*, Plato's *Republic*, as well as some modern writers who engage with ancient myths. All sources will be read in translation. Some questions we will explore together include: What is myth? Why do societies create myths? How does mythology shape thought and culture? No previous knowledge of Greek or Latin is required or expected for this course.

The Craft of the Essay
EWS-CRE | Format B, D | All Grades
This writing-intensive course focuses on the formal essay required in high schools and colleges across the range of academic disciplines. Students will work on how to develop strong, viable theses and support them effectively with persuasive evidence and specific details. Moving beyond the traditional five-paragraph essay, students will read, discuss, and analyze classic and contemporary works by essayists such as Orwell, Bacon, Swift, E. B. White, Hurston, Didion, Sedaris, and others. Harkness discussions, peer editing, and writing assignments will emphasize strategies for critical analysis and effective rhetorical techniques. Students will also examine the personal essay, which is the basis of a successful college application essay.

Creative Writing
EWS-CRW | Format A, C | All Grades
Do you have a story you want to share? Are you always reading and writing, or wish you were? How might discussions, feedback, and workshops further nurture your writing? This course intensively focuses on creative writing, and is for students who have previous experience and investment in writing. Students closely analyze written works, from short stories to poetry, and discover how different writers' techniques create diverse effects. This course welcomes experimentation, revision, and creative writers of all backgrounds. Students will share their own writing and constructively critique one another. Over the five weeks of reading, writing, and workshopping, students gain confidence in shaping and sharing their artistic voice. Students learn how to support one another as curious readers and writers.

Crime Fiction
EWS-CRF | Format D | All Grades
Explore the unfolding mysteries in the pages of past and present crime fiction. This course will examine the many manifestations of "the criminal mind" and study the ways various "crime fighters", whether amateur

sleuths, private eyes, or police detectives, go about the business of "detecting" and utilizing evidence to bring wrongdoers to justice. This course will first introduce some early developers of the "detective fiction" genre, such as Edgar Allen Poe, Agatha Christie, and Sir Arthur Conan Doyle. You will study the initial focus these authors had on detectives and the development of the genre into a much broader range of storytelling and styles. Now broadly referred to as "crime fiction", this genre is written in countries and languages around the world and has steadily grown in popularity throughout the 20th and 21st centuries. You will encounter a diverse range of authors working in a variety of settings, from genteel British country estates to the streets of 1950's Harlem, from the crowded back alleys of Cairo to the deserted reaches of the Australian Outback, the possibilities are endless. Along the way, you will try your hand at writing your own crime fiction short works and produce short analytical pieces examining the books and films you encounter.

Debate & Argumentation
EWS-DAA | Format A, C | All Grades

In this course, you will be given an introduction to the fundamentals of debate and will have many opportunities to practice these fundamentals in the classroom. We will focus on the research and development of constructive and negative speeches through library research. You will learn to make presentations that include a traditional debate format with cross-examination. We will analyze and evaluate a variety of forms of rhetoric. No previous debate experience is required to take the course.

Fanfiction
EWS-FAN | Format D | All Grades

Have you ever thought you could write a better ending to your favorite book or movie? Or wished your favorite character has a more detailed back story? Historically, fanfiction has been a genre of writing reserved for nerds and misfits. It's been called pointless, frivolous, and obscene. So why do millions of people read and write fanfiction, and what even is it? In this class, we will explore the origins of fanfiction, read examples from some of the most popular subgenres, discuss applications of scholarly work on fanfiction, and even write our own fanfiction stories. The class will share and critique work. Students are welcome to create in their preferred fandoms or try out something brand new. Fanfiction is one of the most exciting areas of research in the literary community. The class will explore what fanfiction is all about and ask questions like: Is Romeo and Juliet fanfiction? Why can't fanfiction authors get paid for their work? And what's so appealing about Harry Potter falling in love with Draco Malfoy?

Grasping Grammar
EWS-GGR | Format A | All Grades

This course will focus on the fundamentals of English grammar: verb forms, pronoun cases, agreement, parallel structure, idioms, transitions, syntax, and diction. Students will read and discuss short fiction, poetry, and non-fiction essays as models of effective writing. Through vocabulary study and assignments that emphasize logical development of theses and supporting arguments, students will strengthen their own writing skills . While not designed as a course to prepare students for specific exams, *Grasping Grammar* may help students feel better prepared for the SAT II Writing Test and the AP Language and Composition Exam.

Great Books/Great Reading
EWS-GBR | Format A, C | All Grades

As Holden Caulfield thinks to himself in *The Catcher in the Rye*, "What really knocks me out is a book that, when you're all done reading it, you wish the author who wrote it was a terrific friend of yours and you could call him up on the phone whenever you felt like it. That doesn't happen much, though." It's true, it doesn't happen much. When we are able to find a knockout text and have a great discussion about it with each other around the Harkness table, it's magical. In this course, we will aspire to this goal. This class will appeal to students who, like Holden, love to read (or are still learning to love to read) and who are seeking exposure to both classic and contemporary novels and short stories that are diverse, dynamic, and compelling. More specifically, we will immerse ourselves with complex page-turners in the works of contemporary authors such as Toni Morrison, James Baldwin, Haruki Murakami, Cormac McCarthy, and Annie Dillard and more classic authors such as F. Scott Fitzgerald, George Orwell, Oscar Wilde, Kate Chopin, Ernest Hemingway, and Mark Twain.

Writing the College Admissions Essay

EWS-CAE | Format A, B | All Grades

Akin to a modern day rite of passage, writing the college admissions essay can be an arduous, mystifying, stressful experience. It's a type of essay that requires an approach and style of writing with which many students are unfamiliar and unpracticed. The good news is that this approach and style can be learned. Everyone has the capacity to write an effective college admissions essay that contributes considerably to the overall strength of their college applications. In this course, we'll focus on how to best craft a reflective essay that draws on personal experience, responds to a handful of the Common or Coalition application prompts, and conforms to the stringent length constraints these applications require. To this end, we'll discuss audience and purpose, idea generation, pre-writing techniques, organization, and the narrative and reflective techniques that are the hallmarks of all powerful, memorable writing. Each student will have the opportunity to read exemplary student models and engage in a workshop format along the way, emerging with several viable writing pieces suitable for submission. Students will also have the opportunity to listen and learn from visiting college admission professionals who will draw on their experience in the field to dispel common misconceptions, describe how essays are evaluated, and discuss how they factor into the admissions process.

Writing Process Workshop

EWS-WPW | Format B, D | Grades 10 - 11

This class offers students an in-depth examination of the elements of the writing process. Students will learn to generate compelling topics, organize their ideas, use effective transitions, and write with style and precision. Assignments will help writers become aware of audience and purpose as they discover strategies for sustaining longer pieces of prose. All essay assignments will be drawn from personal experience and will not conform to the traditional five-paragraph form. Students will become part of a community of writers engaged in collaborative analysis and discussion. Classroom workshops will facilitate open-discussion critique, peer-editing, and revision. Reading will complement the writing assignments and offer models for your prose.

English for Non-Native Speakers

Exeter Summer provides a language immersion experience for non-native English speakers in dormitory assignments, extracurricular activities, assemblies, and the bulk of the academic work. The following courses are offered to help students gain confidence in their immersion and to support non-native English speaking students who are still honing their skills in spoken English, English grammar, vocabulary, reading, and conversation. Student-generated and centered discussions are at the heart of each classroom and require attentive and responsible participation from each member of the class.

Becoming a Confident Writer for Non-Native Speakers
EFL-BCW | Format A, D | All Grades

In this introductory writing workshop, we believe that the act of writing can help produce confidence in reading, writing, and thinking skills. You will complete daily writing exercises that stress observation, description, detail, and development of voice. Students build confidence in their skills through frequent short pieces of writing drawn from experiences and consistent reinforcement of "showing" rather than "telling." Students will be led through the process of drafting, editing, and evaluating their own writing. Prose assignments may include personal narratives, personal essays, and expository writing. Harkness discussions will examine works of non-fiction prose and will provide a forum for discussing drafts of students' papers. Students who enroll in this course become a member of a small community of writers eager to help one another through thoughtful discussion and literary analysis.

>>> **Students interested in writing poetry or short fiction should sign up for *Creative Writing for Non-Native Speakers* (EFL-CRW) rather than this course.**

Creative Writing for Non-Native Speakers
EFL-CRW | Format B | All Grades

Do you love to write? Do you have a story to tell? This introductory workshop will help students improve their writing and further develop a love of language through significant writing practice. Students will explore narrative, fiction, and poetry while practicing the fundamentals of grammar and punctuation. They will be asked to write often, both in and out of class, and will produce a portfolio of short creative pieces. Additionally, students will develop listening and speaking skills essential to a writing workshop. Short readings – primarily stories and poems – will provide models for student work.

Grasping Grammar for Non-Native Speakers
EFL-GGR | Format A, C | All Grades

In this course, students will become better speakers and writers of English. Students start by composing a number of short pieces that will be used to identify weaknesses in their writing. The focus will be to improve on their areas of greatest need. This diagnostic approach will provide individualized attention to each student and afford them the opportunity to refine their command of English. In addition, students will undertake a formal study of parts of speech, noun clauses, adjective clauses, gerunds, and infinitives.

Health and Human Development

The Health and Human Development department mission is to prepare and empower students to value and engage in healthy lifestyles by honoring diversity, fostering leadership, and encouraging students to reach their highest potential as productive, responsible citizens at the Academy and beyond. Our courses challenge students to stretch their understandings of health issues in trusting and respectful environments. In order to facilitate positive health choices today and in the future, students are provided opportunities to examine their values and attitudes, through developing skills in critical thinking, decision-making, self-advocacy, and interpersonal interactions.

Care and Keeping of You
HHD-CKY | Format D | All Grades
In this course students will have the opportunity to explore the vast dimensions of wellness. Health issues such as hygiene, time management, exercise, mental health, nutrition, mindfulness, and sleep will be discussed. Students will learn the role and importance of health and wellness in their lives and the world around them. We aim to prepare students in gaining self-efficacy and developing healthy decision-making skills through a relaxed environment.

Euphoria: The Human Pursuit
HHD-EUP | Format C | All Grades
This course will explore the use of mind-altering practices and substances throughout history, across cultures and within subcultures around the world. From a biochemical, sociological, political, and psychological standpoint we will probe the reasons why people seek to alter their state of being, whether through the use of drugs or through natural means. Students will also learn about drug policy and legal issues, and gain an understanding of how race, class, and social standing influence outcomes and behaviors.

Meditation in the Morning
HHD-MIM | Format B | All Grades
This course is designed to explore the scientific benefits of meditation and to allow students to expand their horizons through mindfulness. Students will learn how to focus the mind, increase awareness, and achieve mental and emotional clarity through practice. Students will examine the history, practices, and movements associated with meditation. Students will put knowledge into action through various meditation techniques, styles, and places.

The Science of Happiness
HHD-HAP | Format A | All Grades
This course explores the roots of a happy and meaningful life. Students will engage with some of the most provocative and practical lessons from science and discover how cutting-edge research can be applied to their own lives. Exploring core findings from positive psychology, students will discover how happiness is inextricably linked to strong social ties and how it contributes to something bigger than oneself. Students will learn about the varied research supporting this view and gain practical, research-based strategies for nurturing their own happiness. The purpose of the course is to not only learn what psychological research says makes us happy but also how to put strategies into practice to create a happier life.

Humanities and Social Sciences

The Exeter Summer Department of Humanities and Social Sciences offers a diverse program of study for motivated students who want an experience that may not be available to them during the academic year. We strive to offer a curriculum that emphasizes a broad understanding of the human experience. Courses include studies in American and world history as well as the social sciences. In order to provide a deeper understanding of human thought and behavior, we offer selections in economics, humanities, media studies, psychology, and philosophy. In all areas of study, you will have the opportunity to explore ideas, question concepts, and conduct research while developing essential skills in analytical reading, writing, and collaborative work.

■ History

Understanding War and Peace
HSS-UWP | Format D | All Grades

Are humans naturally violent? How do societies avoid violence and garner peace? What role does technology play in shaping violent behavior? This course introduces students to three interrelated yet analytically distinct phenomena: violence, war, and peace. We will explore the history of these subjects in a global context, focusing on both ancient and modern understandings about the reasons for violence, war, and the possibilities of peace. Students are introduced to the concept of *just war theory* which is critical for framing ideas about justice and the use of war. Readings will be augmented by occasional film studies throughout the course.

U.S. History
HSS-HIS | Format A | All Grades

Embark on an exciting journey through the heart of U.S. History! The framework and fabric of the U.S. will be explored through the stories and struggles of independence and revolution, Civil War and Reconstruction, the Gilded Age and Progressivism, the Great Depression and the New Deal, and racial and gender equality. As we take deep dives into these topics, we will draw on notable primary sources by founding fathers, abolitionist leaders, Supreme Court justices, political cartoon artists, and many more! Designed with an AP and IB U.S. History focus in mind, students will develop practices in annotating, contextualizing, critical thinking, arguing, comparing, and essay writing throughout this course. Review of the craft of history essay writing and grounding claims in document-based evidence will bolster our conversations and translate well beyond the classroom. Finally, two field trips will be an integral part of making U.S. History come alive! Any student – American or International – who would like to (re)discover the American past is welcome!

>>> **This class will benefit students preparing for the AP or IB U.S. History course.**

World War II in Asia
HSS-WWA | Format D | All Grades

This course studies the history and consequences of the Japanese invasion of Southeast Asia and the Central Pacific during the Second World War. The primary themes of this class include the invasion of China (the Second Sino-Japanese War, 1937-45) and the emergence of the People's Republic of China in 1949. In addition, students will study war time and its aftermath in Korea, Hong Kong, Malaya (now Malaysia), and Singapore. By relying on primary and secondary sources, students will develop an understanding of how the war shaped occupied societies' national identity in the decades to come. This course will increase your AP World History understanding while further developing your skill set in contextualizing, making connections, argumentative writing, and more.

>>> **This class will benefit students preparing for the AP or IB U.S. History course.**

■ Humanities

Global Justice
HUM-JUS | Format C | All Grades

The increase in technology and media has granted us a front-row seat to the great issues afflicting all corners of the world – oppression and human trafficking, genocide and war, dictatorships, poverty, and gender disparities – coming in as notifications and alerts on the phone in the palm of your hand and across TV screens. In this course we will explore global justice issues through the media lens and see the methods media uses to focus the world's attention on these issues. We will delve deeper into how we define global justice in an ever changing and evolving world while considering ways to solve these major crises. Through discussions of various documentaries, articles, and the book *Half the Sky* by Nicholas Kristof and Sheryl WuDunn, we will begin to answer important questions surrounding responsibility, morality, government involvement, grassroots movements, and the role of religion. Throughout our quest for understanding, expect to tackle major themes including women's empowerment, the role of the United Nations, climate change, social responsibility of developed countries, and the work of non-governmental organizations (NGOs).

Moral Imagination: Story, Critique, Hope
HUM-MOR | Format B | All Grades

In this class, students will explore social and moral imagination. What worlds can we not only imagine but imagine bringing into being? How do our histories, habits, and institutions shape our perception of the present and future possibilities we envision? As we confront the climate crisis, global pandemics, massive inequality, and polarization, what practices can expand our imaginative horizons and deepen our capacity to create a better world together? Throughout this course, we will reflect on the ethical and political implications of imagination, story, knowledge, and ignorance. We will learn from a diverse array of philosophers, storytellers, activists, and social movements working in present realities, yet orienting our lives toward forms of freedom and flourishing that exceed our experience and even our vision.

Philosophy and Everyday Life
HUM-PHI | Format A, C | All Grades

Philosophy involves critical and creative thinking, the formation of attention, and the fallible human quest for truth, beauty, and goodness. What makes life meaningful? Who is wise and well off? What responsibilities do I have to others? How can I decide what (and whom) to believe? In this course, students learn philosophical methods, questions, and insights. They consider the relevance of philosophy to their personal lives and broader communities. As students participate in conversation with one another and with ancient and contemporary philosophers from Aristotle to Žižek, they have opportunities to reflect on their own commitments and how they want to live in light of the beauty and truth they can see.

Religion in a Secular World
HUM-RSW | Format A | All Grades

This course introduces students to the study of religion as an academic discipline. How does religion affect my daily life? How does it affect the lives of those around me? How is it ingrained in our governments and societies? Can anything really be secular (non-religious)? Students will be introduced to two or more of the following traditions: Hinduism, Buddhism, Islam, Judaism, Christianity, and indigenous religions. While emphasizing the internal diversity of all religious groups, students will explore how religion has shaped (and become ingrained in) different aspects of our world including education, fashion and beauty, business/finance, politics, and more. We will also address the different types of secularism and analyze institutions and organizations that claim to be secular while asking the question "How, and why, do secular institutions find themselves influenced by religion?" Students will have the opportunity to research a religion and an institution/organization of their choice. After this course, students will be better equipped to act as religiously literate and ethically responsible citizens in a multicultural world.

The Media and Society
HUM-TMS | Format B | All Grades

How does the media affect society? Through the study of newspapers, magazines, television, radio, film, advertising, the Internet, and social media, you will explore the influence of the media on various aspects of American society, including politics, business, and consumer and fashion trends.

>>> **International students with a strong command of English are encouraged to enroll in this course.**

Bioethics

SCI-ETH | Format B | Prerequisite: Biology

This course is designed for students with a background in biology and a desire to explore its applications. It is difficult to predict the impacts that a particular scientific application may have on society, and whether its use is ethical. This class will explore the effects of applications currently in use as well as future impacts. Hands-on labs will enable students to experience a variety of applications directly before examining present bioethical issues through current literature, media, and even science fiction. Topics will include genetic engineering, direct to consumer genetic testing, artificial intelligence, and gene therapy, among others. In addition to the issues discussed in class, students will research a topic of their choice to analyze and present.

>>> **Students who want a deeper exploration of this subject might consider also enrolling in *Genetic Engineering*.**

■ Psychology

Introduction to Psychology

SPS-INP | Format A, B, C, D | All Grades

In this course we explore the science of human behavior and cognition. We begin by looking at methodology (experiments and case studies), and then discuss learning and memory (eyewitness testimony), problem-solving, intelligence (the en vogue concept of multiple intelligences), and language. After focusing on cognition we turn to social behavior, discussing techniques of persuasion and the effects of groups on individuals' behavior (mob psychology and bystander intervention). Finally, we study psychopathology – specifically, the symptoms and treatment of mental illnesses such as depression, schizophrenia, and developmental disorders like autism. Students are graded on class participation, opinion papers, and group projects.

Neuropsychology

SPS-NEU | Format D | All Grades

This course is designed to introduce you to the biological underpinnings of the brain's influence on behavior. We will delve into topics such as neuroanatomy, brain development and plasticity, learning and memory, sensation and perception, and neurodegenerative disorders. We will use the findings from current research to evaluate some of the major questions in the field of neuroscience. Can the brain recover from severe trauma? Why do we sleep? Do gender differences exist at the neural level? In addition, we will uncover how perception of the world around us impacts behavior and how we respond to everyday experiences. This course will explore behavior at the level of the synapse up through the mysteries of neural networks, increasing your understanding of the brain's involvement in every thought, emotion, and action you experience.

Social Psychology

SPS-SOC | Format C | Grades 11-12

This course will introduce you to social psychology, the scientific study of social life. As humans are inherently social beings, the range of topics we will consider is quite broad: decision-making, behavior in groups, cooperation and helping, persuasion, stereotyping and prejudice, aggression and conflict, and the influence of subtle and automatic stimuli on our behavior. Relating these topics to everyday experience and current events is an important component of the course.

■ Social Sciences

Criminal Justice

SSC-CRJ | Format B, D | Grades 11-12

Does America's criminal justice system work efficiently? Is discrimination playing a role in the system? The focus of this course is to consider problems within the aspects of the criminal justice system including arrest, trial, mass incarceration, and reintegration after prison, to name a few. Through the lens of media and research in recent court cases, current events, and *The New Jim Crow* by Michelle Alexander, we will dive deeper into these major topics to debate the larger questions surrounding justice. In addition, we will research and participate discussions about other controversial issues including probation, parole, healthcare in prisons, the death penalty, and racial injustices in the criminal justice system, among others.

Economics and Business Principles

SSC-ECO | Format A, B, C | Grades 11-12

Current economic issues and business operations will be the focus in this course. This is NOT a course in economic theory, although you will learn the essential facts and theories about investment, productivity, inflation, recession, monetary and fiscal policy, and the stock and bond markets. In addition, we will examine some basic business financial methods.

>>> **Only students with a thorough mastery of English should enroll in this course.**

Economics through Games

SSC-ETG | Format A | All Grades

This course will transport you to an economics laboratory where you will explore what decision-making looks like under scarcity. Through hands-on games, you will take on the role of both the researcher and the research participant to uncover the secrets of economic theory. We will study a variety of Micro- and Macroeconomic topics (profit-maximizing decisions, self-interest, international trade, etc.) while exploring their relationship to social welfare, environmental sustainability, and equity.

Global Economics

SSC-GEC | Format A, C | Grades 11-12

Why are some countries more developed than others? What responsibilities do the wealthy nations have towards the poor nations? Is democracy necessary for countries to develop economically? Could child labor be beneficial to poor countries' economies? These are just some of the questions we will discuss. This course introduces students to the principles of international and development economics. We will study a wide range of international issues including inequality and poverty in less developed countries, the lives of the poor, foreign aid and debt relief, microlending, global financial crises, the role that geography plays in development, and the role that organizations, such as the World Bank, might have.

>>> **Only students with a thorough mastery of English should enroll in this course.**

Investing in a Changing World

SSC-INV | Format D | All Grades

Are you interested in the stock market? Are you curious how stock is analyzed, how one invests? What are some of the moral or immoral practices a company might use as part of their strategy to be profitable? What is a "sustainable" practice or company? If you are interested in these and related questions then join us and learn some of the basics of investing, stock markets, forces that move markets, ethical choices business leaders make that may encourage or discourage investment and much more. While no actual money will be put at risk, through case studies, exercises like developing your own portfolio, research, discussion and presentations you will wrestle with financial, strategic, and ethical considerations that are part of investing. Join us to see how sustainable companies are examined and identified in a changing society and world.

Leadership and Society

SSC-LEA | Format C | All Grades

In this course students will be introduced to several types of leaders who have significantly affected society. We will study concepts from various disciplines such as anthropology, history, mythology, psychology, and philosophy in order to gain a greater understanding of the interaction of leaders in their respective societies. Mohandas Gandhi, Martin Luther King, Jr., Albert Einstein, Mao Zedong, Franklin D. Roosevelt, Adolf Hitler, Eleanor Roosevelt, Frederick Douglass, Harriet Tubman, and others may be among the leaders we examine. We will emphasize the critical thinking skills you will need to be successful in college.

Leadership for a Better World

SSC-LBW | Format D | All Grades

How do I change the world? Not alone! In this course, students will examine the ideals of civic engagement and social justice by exploring modes for leadership in the global community through politics, service, community development, and activism. Research shows that we have become increasingly disconnected from family, friends, neighbors, and our democratic structures. Students will look at ways to reconnect with each other and their communities, and discover how they can lead others to make a difference.

Politics: Power and Responsibility

SSC-PPR | Format B | All Grades

Politics, it's been said, is the art of striving to maintain, share, transfer, and influence the distribution of power. This course will examine how power – the ability to achieve desired ends and, when necessary, influence the behavior of others to bring about these ends – and responsibility mesh in political life. We will consider the pressures of balancing money and influence; the difference between enemies and adversaries; the difficulty negotiating through competing loyalties – loyalty to one's party, to one's constituency, and to one's own ideals; of knowing when to fight passionately and knowing when to compromise. We will learn about the importance of political messaging and the strategies used to get things done. Readings include classic and contemporary figures: Niccolò Machiavelli, Stacey Abrams, Francis Fukuyama, Lee Atwater, Eric Liu, Mitch McConnell, Heather McGhee, and Dan Pfeiffer.

Languages and Culture

In a world where globalization is a rapidly growing reality, learning two, three, or even four foreign languages is a highly valued skill. Students taking a modern language will find themselves immersed in authentic language for five hours a week with a variety of homework exercises to reinforce the essential skills necessary for communication and interaction in a variety of cultures. The Harkness class encourages active learning and fosters participation. Whether you are looking to strengthen your skills in a language you are already studying, eager to try something new before college, or hoping to gain basic fluency for more productive engagement, these courses will suit your needs. Instruction in the introductory classes assumes no prior knowledge of the language. Note: Courses will run based on enrollment.

Beginning French
LNG-BFR | Format A | All Grades
Spoken as a native language on five continents, French remains an important international language for diplomacy, business, and art. With an emphasis on communication skills, you will practice the language through experience and multimedia simulations: introductions, lodging, transportation, grocery shopping, recipes, music, video clips, and a variety of other cultural activities. Whether you are interested in pursuing formal study of the language or simply want to function effectively in a francophone country, you can enjoy France from a multimedia classroom with your instructor as a tour guide.

Beginning German
LNG-BGR | Format D | All Grades
This five-week course will offer you a simple survival guide for your first time in a German-speaking country or in a future German class. You will be able to talk about yourself, find your way to a train station, engage in a basic conversation, order a meal that you actually want from the menu, and pay for it without surrendering your wallet to the waiter. You will become familiar with a few basic geographical, political, and cultural aspects of Austria, Germany, and Switzerland. In addition, you will find out what the German language is all about by exploring the very flexible sentence structure and the seemingly endless phrases and nouns.

Beginning Italian
LNG-BIT | Format C | All Grades
This course will immerse you in the sights and sounds of Italy. Through dialogues and presentations, you will become familiar with the vocabulary and structures. Common themes include food, family, leisure, sports, and lodging. Present tense, articles, pronouns, numbers, colors, and activities will be mastered. We include films, magazine articles, poetry, music, and food tasting in our curriculum. This is a great course for those who would like to explore a new language.

Beginning Spanish
LNG-BSP | Format A | All Grades
The Spanish language continues to rise worldwide and here in the United States there are approximately 41 million Spanish-speaking US residents, and this number is growing. In this beginning course you will gain a basic knowledge of conversation, grammar, and Spanish-speaking cultures through readings, music, and film clips. Upon completion of the five-week session, you will have an elementary level of Spanish abilities in the four main skills: speaking, listening, reading, and writing.

Intermediate Chinese
LNG-CHI | Format D | Prerequisite: one to two years of high school Chinese
This course is for a student who already has a basic knowledge of the Chinese language and would like to strengthen and enhance their language skills. Through class dialogues in Chinese, the student will improve their comprehension of both spoken and written Chinese. You will continue to learn either traditional or simplified

Chinese characters, and you will build confidence in your speaking ability. Students also write essays about their favorite subjects as a basis for oral presentations. In this course, you will have an opportunity to practice Chinese calligraphy, watch Chinese movies, and enjoy a cooking class.

Intermediate French
LNG-INF | Format B | Prerequisite: one to two years of high school French
This class is for students with one to two years of French instruction who want to build confidence in conversation and develop a more extensive vocabulary. Come ready to make the leap into French culture as you will be immersed in the language through dialogue and real life situations. The course will provide students with confidence to speak French in everyday situations such as going to the market, finding a hotel, wandering through town, or asking for directions. In addition, students will learn about traditional French foods, holidays, and cultural customs.

Japanese Through Anime
LNG-JTA | Format B | All Grades
Do you like anime? Do you watch them with subtitles or dubbed in English? In this beginning course, you will learn basic conversational skills, linguistic structures, cultural proficiency through anime, fun and nurturing interactive games, role-play, and activities. One of the Japanese written systems, hiragana, is also introduced. By the end of this course, you will be able to talk about yourself and communicate using conversational Japanese. Emphasis will be placed on learning through dynamic interaction.

Mathematics

Our mathematics curriculum is designed around the central tenet that mathematics is best learned by solving problems. In most of our courses, we replace the standard textbook with collections of problems authored by teachers at Phillips Exeter Academy. These problem sets feature the presentation of new material within the content of actual problems posed to the students. While you will certainly learn subject-specific concepts and techniques, the focus will be on developing problem-solving skills that will enable students to respond in kind to any new material in future mathematics course. As with other Harkness classes at the Academy, students will be expected to participate actively and to persevere if their first efforts do not yield immediate success. Through active participation, you will gain an enhanced ability to ask effective questions, answer fellow students' inquiries, and critically assess and present work. Our ultimate goal is to see the student, not the teacher or textbook, become the source of mathematical knowledge.

>>> **Unless otherwise indicated in the course description, students should have a graphing calculator or a device that can access graphing software.**

The four courses below are intended to help students make the transition from the high school course they just completed to the next level math course. The objective is to devote some time to review or firm up concepts and skills students should have already mastered and allot plenty of time to get a head start on their next course.

Algebra 1 to Geometry
MPS-ATG | Format A | Prerequisite: Algebra 1
This course is for students who recently completed Algebra I and will be taking Geometry next school year. This course will review and strengthen student's knowledge and skills for the most important algebra content necessary for success in geometry. Algebra topics may include linear functions and their intersection, Pythagorean Theorem and its applications, and locus problems leading to interesting geometric curves. By spending five weeks immersed in coordinate geometry, students will be exposed to many important concepts and ideas that will be central to their formal geometry course next year. These geometry topics may include congruence of triangles, lines of concurrence in triangles, and properties of quadrilaterals. This will prove to be a very useful introduction to geometry and will give the student a head start on their next course.

Geometry to Algebra 2
MPS-GTA | Format B | Prerequisite: Algebra 1 and Geometry
This course is for students who have recently completed a course in Geometry and will be taking Algebra 2 next school year. This is often a challenging transition for students because they typically have not used algebra for the 15 months that elapsed from the end of Algebra 1 to the beginning of Algebra 2. This course is designed to review and strengthen the student's knowledge and skills from Algebra 1 in addition to starting to learn some Algebra 2 topics. Much of this will be done using coordinate geometry as a source of problems that require important algebra skills to solve. Algebra topics will include linear and quadratic functions and their applications, word problems, intersection of curves, and conic sections. This will prove to be a very useful introduction to Algebra 2 and will give the student a head start on their next course.

Algebra 2 to Precalculus
MPS-ATP | Format A, C | Prerequisite: Algebra 1, Geometry, and Algebra 2
This course is for students who have recently completed a course in Algebra 2 and will be taking a Precalculus course next school year. Precalculus courses are typically challenging and require a higher level of abstraction and skill than previous courses in high school. This course is designed to help prepare students for this

challenge. This course will review and strengthen skills and knowledge for the most important and critical topics from algebra in addition to introducing some new and key ideas that are foundational to precalculus. Topics may include circular trigonometry and periodic functions, exponential and logarithm functions, conic sections, functional transformations, and matrices and their applications. This will prove to be a very useful introduction to Precalculus and will give the student a head start on their next course.

Advanced Precalculus and Higher-Level Mathematics

MPS-APM | Format D | Prerequisite: Algebra 1, Geometry, Algebra 2, and Precalculus

This course is intended for students who have recently completed a course in Precalculus and will be either taking a Calculus course or an advanced elective next school year. There are many important problems and concepts that help bridge the study of precalculus to higher-level mathematics. This course is designed to help students cross that bridge successfully and to be exceptionally prepared for the challenges of higher-level mathematics. Important and relevant problems that are often skipped or treated lightly in a typical precalculus course will be emphasized and stressed. Topics may include optimization problems, sequences and series, asymptotic and limiting behavior of functions, and functional transformations, In addition, some new topics like rates of change problems introducing the concept of the derivative will also be investigated to give the student a head start on their next course.

The following math courses are intended to enrich and amplify math knowledge outside of the traditional high school curriculum. Most of these courses require no previous experience with the topic.

Cryptography

MPS-CRY | Format A | All Grades

Cryptography is the study of encrypting and decrypting messages. You will learn about the historical development of codes and ways to share information securely between two people. You will compare the effectiveness and weaknesses of various types of codes and encryption keys. To understand mathematical underpinnings of both historical codes and modern public key encryption, you will explore some topics in statistics and more extensive topics in number theory including divisibility, prime numbers, and modular arithmetic.

>>> **No prior knowledge of crytography is required. Any calculator is sufficient for this course.**

Graph Theory

MPS-GRA | Format B | All Grades

Graph theory is a study of graphs, trees, and networks. Students will develop an understanding of terminology and definitions. Topics will include Euler's formula, Hamilton paths, planar graphs, and coloring problems. Students will explore the use of trees in sorting and prefix codes, algorithms that can be used to determine shortest paths, minimal spanning trees, and max-flow min-cut algorithm. Students will work through problem sets and discuss their solutions in class.

>>> **No prior knowledge of graph theory is required. Any calculator is sufficient for this course.**

Logic

MPS-LOG | Format C | All Grades

Logic is the study of reasoning. During this course, you will discover methods that will allow you to distinguish between good and bad reasoning. Logic focuses on the structure of an argument rather than on the content. As such, the study of logic is relevant to a variety of disciplines, not just mathematics. Three basic logical systems will be introduced in this course: categorical logic, propositional logic, and predicate logic. In each system, a different method will be presented to enable you to test the strength of an argument. You will learn how to translate a specific argument into its abstract form in order to test the validity of the reasoning.

>>> **No prior knowledge of Logic is required**.

Introduction to Statistics

MPS-IST | Format D | Prerequisite: Algebra 2 or higher

This course will provide a brief overview of the questions typically addressed by statisticians. Students will discuss how data is collected through polls, surveys, and experiments. They will study how to organize data and how to infer relationships between variables. Topics to be explored may include the importance of sample size, ethical issues involved in data collection, normal distributions, probability, and confidence intervals. To gain this knowledge, students will read, work on problem sets, and do activities in class.

Science

Our goal in the Exeter Summer Science Department is to provide an experience that will motivate students to continue their studies in science and create a foundation of knowledge and skills for future coursework. All science courses emphasize the development of scientific concepts and problem solving skills. Teachers encourage and expect extensive student participation. Each course includes comprehensive laboratory work that develops skills such as analytical thinking, data analysis, and scientific writing. Our course offerings can be classified as introductory courses and enrichment courses. The introductory biology, chemistry, and physics courses provide you with important concepts and skills that will help prepare you for future coursework.

■ Biology

Introduction to Biology
SCI-ITB | Format B | All Grades
This course is designed for students who have never taken a biology class, but are planning on taking one in the future. Topics covered include cell biology, microscopy, Mendelian genetics, molecular genetics, and unicellular organisms. Through readings, Harkness discussions, and cooperative laboratory exercises, students will developing the ability to integrate and apply what is learned in the classroom.

Advanced Biology
SCI-ABI | Format C | Prerequisite: Biology
This course is designed for students who have completed a full year of introductory biology at the high school level and plan to take a year-long advanced biology course in the future. Through lab work and class discussions, we will emphasize a hands-on, collaborative approach to learning biology. Topics may include cell structure, Mendelian genetics, mitosis, meiosis, molecular genetics, cellular respiration, anatomy and physiology, and ecology.

Marine Biology
SCI-MBI | Format B | Prerequisite: Biology
This course is intended to help you gain an understanding of the seas and discover how the work of the marine biologist is done. You will be introduced to concepts of the physical characteristics of the oceans and then conduct a detailed survey of the specific organisms (from sponges to whales) of the New England coastline. The ecology of intertidal coral reefs, salt marshes/estuaries, and deep sea communities is also introduced. Close proximity to the New Hampshire seacoast area provides opportunities for field trips to various ecosystems such as salt marshes, rocky coast tidal pools, and mudflats. Hands-on labs and the availability of the marine "touch tank" will supplement our study of marine protists, invertebrates, vertebrates, and mammals.

>>> **Proper water shoes are required for the trips to the ocean. Flip-flops are not suitable.**

■ Molecular Biology

Genetic Engineering
SCI-GMB | Format A, C | Prerequisite: Biology and a strong interest in laboratory work required; Chemistry recommended
This course provides hands-on experience with some of the recombinant DNA techniques that have revolutionized biology and medicine. You will study the history of genetic engineering in both plants and animals and perform laboratory investigations to highlight this process. You will analyze DNA using gel electrophoresis, engineer bacteria to glow under UV light, and purify proteins using similar techniques to those used in the biotechnology industry. The class will discuss the ethical issues that are relevant in this new and changing field at the Harkness table.

>>> **Students who would like a deeper exploration of this subject might consider also enrolling in *Transgenics*.**

Transgenics

SCI-TRA | Format D, plus lab MTThF | Prerequisite: Biology and strong interest in experimental lab work required
In this class students will partner with researchers from Stanford University to use cutting edge molecular biology protocols to change gene expression in transgenic fruit flies. Students will execute and troubleshoot procedures with the goal of testing how targeted loss of gene function affects organ development in fruit flies. Students will read and analyze current research in the field and participate in a journal conference with researchers from the Stanford University lab.

>>> **Students who would like a deeper exploration of this subject might consider also enrolling in** *Genetic Engineering*.

■ Chemistry

Introduction to Chemistry

SCI-CHE | Format B, D | Prerequisite: Algebra and Physical Science
This course is designed for students who have a strong interest in chemistry but have not taken any previous chemistry course and wish to study the subject through laboratories and class discussions. Students need to have completed one year of algebra and one year of a physical science course prior to taking this class, but no prior experience in chemistry is required. After this course, students will be prepared to study chemistry at a college-preparatory level. The course emphasizes the development of scientific thinking and collaborative problem solving skills through an empirical exploration of topics commonly taught in most first-term chemistry classes. These topics include classifying matter, measurement, modern atomic theory, the periodic table, atomic structure, bonding, chemical formulae, balancing equations, mole conversions, and stoichiometry.

Advanced Chemistry

SCI-ACH | Format C | Prerequisite: Chemistry
This course is designed for students with a strong interest in the physical sciences who are considering a career in science, engineering, or a medical-related field. Prior to enrollment, students should possess an understanding of stoichiometry from a previous chemistry course. Over the five weeks, students explore a variety of advanced topics chosen by the instructor based upon student input. Depending on student interest, study topics can range from analytical chemistry and thermodynamics to kinetics and organic chemistry. This class will employ laboratory exercises and class discussions to investigate chemical phenomena and develop scientific thinking skills.

Nuclear Science

SCI-NUC | Format B | Prerequisite: Chemistry
This course explores the world of nuclear science and its applications, benefits, and risks of radiation. Topics covered include the atom and nucleus, the periodic table and chart of the nuclides, half-life and decay mathematics, radiation detection, naturally occurring radiation, nuclear reactions and energy, biological effects of radiation, and radiation protection and risk. Field trips to local facilities will provide first-hand insight into the use of radiation in industry, and detection of radiation sources. Labs may include building a Geiger counter, small-scale particle accelerators, and electroscopes.

>>> **Students who would like a deeper exploration of this subject might consider also enrolling in** *Modern Astrophysics*, *Relativity and Quantum Physics*, **or** *Advanced Chemistry*.

■ Physics

Introduction to Physics

SCI-IPH | Format A, C | Prerequisite: Algebra 2 and Basic Trigonometry
In this course students will be exposed to a sampling of introductory physics topics. Strong laboratory and mathematical components will help students learn how to observe and analyze physical phenomenon. The hands-on component of this course is designed to encourage student interest in physics and to give a conceptual understanding of some fundamental physics topics. Possible topics of discussion and lab activities include motion in one-dimension, motion in two-dimensions, conservation of energy, electricity, magnetism, and properties of light and sound waves.

Relativity and Quantum Physics

SCI-RQP | Format A | Prerequisite: Physics and mathematics through Algebra II

In the late nineteenth century, bright students were discouraged from studying physics because there was nothing left to discover! Beginning in 1899, that attitude changed with the development of quantum theory and relativity, showing us that the world is a much stranger, more complex place than we had ever imagined. In this course you will explore the world of quantum and relativistic physics, along with even more modern ideas of string theory duality and particle physics. Topics may include wave/particle gravitation, black holes, and nuclear and particle physics.

>>> **Students who would like a deeper exploration of this subject might consider also enrolling in** *Modern Astrophysics* **or** *Advanced Chemistry*.

■ Other Sciences

Bioethics

SCI-ETH | Format B | Prerequisite: Biology

This course is designed for students with a background in biology and a desire to explore its applications. It is difficult to predict the impacts that a particular scientific application may have on society, and whether its use is ethical. This class will explore the effects of applications currently in use as well as future impacts. Hands-on labs will enable students to experience a variety of applications directly before examining present bioethical issues through current literature, media, and even science fiction. Topics will include genetic engineering, direct to consumer genetic testing, artificial intelligence, and gene therapy, among others. In addition to the issues discussed in class, students will research a topic of their choice to analyze and present.

>>> **Students who would like a deeper exploration of this subject might consider also enrolling in** *Genetic Engineering*.

Current Topics in Environmental Science

SCI-CTE | Format A | All Grades

This course is designed for students who have a passion for the environment and are interested in exploring current and future environmental issues. In this class students will use science to understand the impacts of human activity on the environment and the ripple effect that these activities create within societies and cultures around the world. Hands-on laboratory activities and field work will allow students to experience first-hand how data is collected and analyzed. Considering the controversial nature of many of these issues, class discussion and debate of current policies and solutions will be an integral component of the course.

Exploring Careers in Animal Science

SCI-CAS | Format C | All Grades

This course is designed for students who love animals and are considering a profession working with them. In this hands-on class students will explore careers working with animals of all types from household pets (dogs and cats), to exotics (reptiles and birds), to large animals (cows and horses), to wildlife. Guest speakers and weekly field trips to experience these careers first hand is an integral part of the course. Students will perform a detailed analysis of careers with the goal of identifying what path they may want to follow in the future. Some of the careers explored with include veterinarian, animal behaviorist, research biologist, and animal breeder.

Human Physiology and Anatomy

SCI-HPA | Format A, C | Prerequisite: Biology

This course will examine the structure and function of the human body. We will study the complexity of and interactions among major organ systems in order to gain a complete understanding of human physiological systems. Systems of study include digestive, cardiovascular, respiratory, and nervous. Laboratory investigations will include several dissections.

Introduction to Electronics

SCI-ELE | Format D | Prerequisite: one secondary level science course

This introduction to electronics is a hands-on, project-oriented course. Students will build, design, and analyze several analog circuits. Using Arduino™, students will interface their design to create useful circuitry.

Modern Astrophysics

SCI-MAS | Format C | Prerequisite: Physics, Algebra, and Geometry

This is a rigorous science course for students who have had a year of physics as well as algebra and geometry. We will focus on the phenomena of the heavens and how we understand them. Throughout the course, our explorations will emphasize the thread of unity of the cosmos. We will begin with the creation of the universe as we think of it in the Big Bang and proceed to consider the origin of galaxies, stars, our solar system, and, finally, life itself. Lab work and observing from the Grainger Observatory are an integral part of the course.

>>> ***This course covers much of the same material as Observational Astronomy at a deeper level.***
>>> ***Students should not enroll in both Observational Astronomy and Modern Astrophysics.***

Observational Astronomy

SCI-AST | Format B | All Grades

This is a course for students without a strong science background. We will focus on observational astronomy, that is, what we have observed in the heavens and the methods we use for observation. You will be introduced to concepts of chemistry and physics, but the course does not require prior experience in these subjects. We will cover topics that include the solar system and the sun, stars, galaxies, and cosmology. Lab work and observing are an integral part of the course. Students will have the opportunity to observe the night sky from the Grainger Observatory.

>>> ***This course covers much of the same material as Modern Astrophysics at a more introductory level.***
>>> ***Students should not enroll in both Observational Astronomy and Modern Astrophysics.***

The Charles J. Hamm '55 Leadership Program at Phillips Exeter Academy

The *Leadership Program*, now in its sixteenth year, immerses students in a learning environment designed to reflect upon the characteristics and contexts of effective leadership. The program incorporates traditional academic coursework with experiential learning that encourages students to discover and cultivate their own leadership potential both on the Phillips Exeter Academy campus and within the surrounding communities.

Although what happens in the classroom around the Harkness table is crucial to each student's understanding of what leadership means, the *Leadership Program* offers opportunities for further self-development within the context of hands-on activities such as capstone projects, excursions, films, speakers, and group projects. The *Leadership Program* seeks to develop key aspects of leadership including personal confidence, successful oral and written communication, awareness of context, ethics, decision-making, conflict resolution, problem solving, group dynamics, the relationship between leaders and followers, and an understanding of various leadership theories and models.

>>> **Admission to the program is limited and selective. Due to the rigorous nature of this program, students must have a high proficiency in English to be considered for the *Leadership Program*.**

Leadership Program Courses

In the *Leadership Program*, you are required to take two courses, *Leadership* and *The Practical Leadership Seminar*. In addition, you will be enrolled in one other course of your choice in the "C" or "D" format; this third course will enable you to tailor the program to fit your own interests and leadership goals.

Leadership
SSC-LSO | Format A, B | All Grades
In this course you will begin to explore the variety of views about what leadership is and what leaders do. We read selections from leadership scholars as well as the leaders they study, including Machiavelli, Martin Luther King, Jr., and Winston Churchill. We will discuss varied leadership topics such as leadership traits, power and influence, followership, situational leadership, ethics, and "bad" leadership. The class will also take a look at issues of inclusiveness in leadership and the influences of both culture and gender. You will conclude the summer by developing your own leadership philosophy and a long-term plan for your continued leadership development.

The Practical Leadership Seminar
SSC-PLS | Format A, B | All Grades
This seminar is designed to help bolster personal leadership skills. Through workshops, guest speakers, case studies, and fieldwork, you will reflect upon your own potential strengths and weaknesses as leaders, explore how to best operate in an organizational setting, and develop strategies to cultivate your potential for leadership and for active following. By providing a framework for exploring the contexts and skills necessary to practice successful leadership, this seminar will allow you to develop your capacity for public speaking, critical thinking, conflict resolution, decision making, community building, and teamwork. Ultimately, the seminar intends to create a supportive and reflective environment within which you can enhance your capacity for leadership.

Capstone Projects

Each leadership student will become a member of a capstone team tasked with impacting the Exeter Summer community in a meaningful way. These projects are intended to be cooperative efforts where each team member is equally involved in accomplishing an overarching goal. Students in the Leadership Program will be paired up with the Access Exeter leadership students to work simultaneously on related projects. Through this process, students will learn to develop a variety of skills including setting a goal, forming an agenda, time management skills, conflict resolution, resource allocation, and coordinating teamwork – essentially putting everything learned in the classroom into a tangible project.

Excursions

Leadership happens out in the community and not in the classroom. For students to see these principles in action, several excursions off campus will take place during the school day. At the beginning of the session, students will challenge their critical thinking and team building skills while at a ropes course. Other trips will include visits to local and Boston-based nonprofit organizations to learn about how they are impacting the communities they serve.

Prepare for the new SAT with Academic Approach®

Academic Approach® SAT Preparation Course

Good-bye pencil and paper! The SAT has become a digital, multi-stage adaptive exam. Get ahead of your classmates by learning the ins and outs of this new test and the best strategies to earn the score of your dreams.

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To help families and students understand the digital SAT, we will be running two information sessions prior to the course explaining the content and construct of the new test. To attend, please visit our website at www.academicapproach.com/SATexetersummer.

Live Online (Via Zoom) SAT Preparation

Over the course of five weeks (a total of 24 hours of instruction), our online course will teach you everything you need to know about the SAT and set you up for success. That path to success starts with a remotely proctored diagnostic test on Saturday, June 15, 2024. International students or students who cannot make the test on June 15 may take the exam self-proctored anytime in the following two weeks.

Analyzing the results of the diagnostic allows us to personalize our instruction to meet the needs of each student and the class overall. From the diagnostic, you'll also gain an in-depth understanding of what skills to focus on to help you raise your SAT scores. In order to measure individual score improvements and to realign their course of study, students will take a second diagnostic test on Sunday, August 4, 2024 (students who have extended time may take the test self-proctored at another date).

Families are welcome to contact Academic Approach before and after the course for a complimentary consultation: www.academicapproach.com/SATexetersummer.

This supplementary course requires an additional fee.

>>> **Extracurricular course fee: $975***

Please Note: It is recommended that each student have a calculator for the math portion of the instruction and for the diagnostic tests. Any four-function, scientific, or graphing calculator is acceptable.

The SAT course does not fulfill the three-course load requirement for Upper School residential students. Upper School day students must enroll in at least one other course before signing up for this class.

*Fees are NOT refundable once the Exeter Summer program has started. This class is not taught in Exeter's Harkness method.

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UPPER SCHOOL
Physical Education Classes

Physical Education, an important component of Exeter Summer, promotes fitness, cooperation, sportsmanship, and the learning of new skills. The offerings are designed to introduce fundamental rules and skills, provide some competition and recreation, and stimulate long-term participation in athletics.

All Upper School boarding students participate in a sport for at least one hour four afternoons per week (Monday, Tuesday, Thursday and Friday) between 3:00pm and 5:00pm. **Note: Physical Education is optional for Upper School Day students.**

There are two 2-½ week sessions with students taking one sport per session; students will select the sports of their choice during the application process. First session runs from July 8 through July 23 and the second session runs from July 25 through August 7. It may not be possible for all students to get their first choice for both sessions; however, we will make every attempt to enroll students in a preferred activity in one of the sessions.

Equipment will be supplied for activities, but students should bring their own athletic attire. *Refer to the individual class descriptions for special equipment and/or attire requirements.*

The Director of Athletics supervises the programs and classes are taught by professional Physical Education instructors. We strongly encourage students to explore new sports activities during Exeter Summer.

Basketball
This class will provide experiences intended to improve students fundamental skills and understanding of the game of basketball. They will participate in drills and exercises that will lead to competitive play.

Competitive Basketball
Students will be organized into teams that will play a competitive game each day and will play a round robin tournament with a game each day. Physical Education Instructors will officiate and direct the competition so that students will have the opportunity to improve their skills in a competitive, recreational environment.

Cross Country Running
Students will improve their cardiovascular fitness and their physical strength through daily runs on the fields, in the woods, and throughout the campus and town of Exeter. Students will learn a series of stretching movements for warm-ups and cool-downs. The class is structured for both the novice runner as well as the serious, competitive runner. *Proper footwear is required.*

Introduction to Dance
In this fun introduction to dance class, students will have the opportunity to learn different dance techniques including modern jazz, hip-hop, musical theater, video dance, and more!

>>> *No prior dance experience is necessary!*

Learn to Row
Students will learn the fundamental movements and strokes required in Crew. They will learn to work independently and cooperatively to propel the barge that is used for novice rowers.

>>> *This class is limited to 12 students and is offered in the 1st session only.*

Soccer

This class is designed for students who would like to learn or improve their skills in a competitive, recreational environment. Students will be organized into teams and will play a game each day. A Physical Education Instructor will officiate and direct play in order to help each student improve during the session.

Squash

The squash class is structured to teach beginners, as well as those with some previous experience, the basic strokes and tactics of the game. Students will progress to the point where they will be able to play a competitive match. Racquets, balls, and eye-protection will be supplied, but ***non-marking, non-black soled shoes are required***.

Ultimate Frisbee

This class is a non-contact team sport played with a flying disc (frisbee). Simple to learn and fun to play, students will be challenged both physically and mentally. They will be physically active, play cooperatively, and compete in a non-traditional team game.

Volleyball

This class is structured to provide experiences for beginning, intermediate, and experienced players who are looking to improve their skills in the game of volleyball. Drills and exercises in the fundamentals and proper techniques daily will lead to competitive play as the class progresses.

>>> ***Students may sign up for only one 2-½ week session.***

Power Walking

This class provides daily fitness exercise in a non-competitive setting. The students will become familiar with their resting heart rate and the training effects of exercise on their fitness. Excursions each day will venture around the playing fields, through the woods, beside the river, and through the community of Exeter. ***Proper footwear is required.***

Weight Training

This program will introduce students to our fitness facility and the fundamental principles of cardiovascular fitness, proper usage of weights and resistance training. Instruction will be provided on the basic mechanics of movement, physiology of exercise, and the role of stretching. Daily activities are based on individual student goals with emphasis on the development of life-long fitness habits.

Yoga

This class is structured to provide a gentle series of exercises and stretching that will involve warm-ups, strengthening of abdominal muscles, back and core, standing postures, and relaxation and recovery. The maneuvers will be set to popular music as well as classic yoga relaxing music and will emphasize "breath to movement" theme.

Learn to Swim

This class is designed for students who are non-swimmers and who want to learn to swim. They will be taught basic lessons in floating and fundamental swimming strokes to increase their comfort level in the water. Students will follow an American Red Cross® curriculum." ***Proper swimwear is required.***

>>> ***This class is offered in the 2nd session only.***

Fitness Swimming

This class provides a program to improve a student's fitness and over all well-being through swimming. The goal will be to achieve cardiovascular fitness through stroke development and participation in a variety of swimming workout methods. ***Proper swimwear required.***

>>> ***Prerequisite: Students should be comfortable in the water and have some swimming experience.***

Competitive Swimming

This class is intended for students who are serious swimmers and who desire to train daily for competitive swimming. The class will be structured to assist the students in personalizing their programs to maintain or improve their performance during the summer. ***Proper swimwear is required.***

>>> *Prerequisite: Students must have at least two years of competitive swimming experience with a club, school or youth team.*

Beginner Tennis

This class is designed for students who have either very limited experience or no knowledge in the game of tennis. Students will learn and practice the basic racquet skills and strokes. Students will also learn the basic rules so they can progress to playing both singles and doubles matches. ***Proper footwear is required.***

>>> *Students may only sign-up for one 2-1/2 week session.*

Intermediate Tennis

This class is designed for students who have already learned the basic skills and rules of tennis. Students will be evaluated at the onset of the class and placed in smaller groups based on ability and experience. After evaluation and limited instruction, students will progress to singles and doubles competitive matches. ***Proper footwear is required.***

Competitive Tennis

This class is for students who have experience playing tennis and who wish to train to advance their skills in a competitive environment. Students must have the skill, knowledge, and experience to play competitively against players of a similar ability. Students will progress to playing singles and doubles matches. ***Proper footwear and a racquet are required.***

NOTE: Upper School students may elect, for a fee, to enroll in Exeter Rowing Club, Exeter Soccer Club, or Exeter Volleyball Club as their sports option for the entire five weeks of Exeter Summer. If you want to participate in one of these elective sport programs, make sure to select your option from the sports dropdown menu on the application.

Exeter Rowing Club

Exeter Rowing Club is an intensive Crew program for both experienced and beginner/novice students who are interested in a rigorous, competitive experience. Students train for two-hour sessions, four times a week (Monday, Tuesday, Thursday and Friday) from 4:00-6:00pm for the entire five weeks of the summer program.

Experienced coaching staff train students at the Saltonstall Boathouse and students row 8-person shells on the tidal Squamscott River using the sweep rowing technique.

We offer two levels:
Beginner/Novice – This option will allow students who have never rowed before to participate in crew. The program teaches the finer aspect of sweep rowing as well as general fitness and joy for the sport. Being able to lift and carry the boat is part of the experience. Students should be able to lift and carry at least 50 pounds (25 Kg).

Experienced Skills Program – This option offers a more intense program for experienced rowers and is recommended for those who had had at least a full season with their home team and are comfortable with sweep rowing. Students will receive highly detailed technical coaching as well as a more rigorous training plan to prepare them to return to their home teams a better oarsperson.

Students must pass the required swim test.

>>> **Extracurricular course fee: $1,100 which includes an Exeter Crew top and baseball cap.** This special program takes the place of the regular Physical Education classes.

If you want to participate in this program, select ***Exeter Rowing Club*** in the sports dropdown menu on the application.

Exeter Soccer Club

Exeter Summer offers Exeter Soccer Club as a special intensive program that students may choose in place of the regular sports program. Students train for 90-minute sessions from 2:30-4:00pm four times a week (Monday, Tuesday, Thursday, and Friday afternoons) for the entire five weeks of the summer program.

The program is designed to improve a player's skill, ability, and tactical understanding of soccer. Through an assortment of drills and games, students will develop in a variety of ways including their passing range and accuracy, first touch, dribbling skills, 1v1 defending, crossing and finishing abilities, team attacking, and team defending.

A pair of cleats (no metal bottoms) are required. Turf shoes are optional.

>>> **Extracurricular course fee: $1,000 which includes a training shirt**
     This special program takes the place of the regular Physical Education classes.

     If you want to participate in this program, select *Exeter Soccer Club* in the sports dropdown menu on the application.

Exeter Volleyball Club

Exeter Summer offers Exeter Volleyball Club as a special intensive program that students can choose in place of the regular sports program. Students train for 90-minute sessions four times a week (Monday, Tuesday, Thursday, and Friday afternoons) from 3:00-4:30pm for the entire five weeks of the summer program.

The program is designed to increase the ability and skill of all participants. All player levels are welcome. The focus is on the fundamentals (pass, set, hit, block, and serve) and perfecting techniques.

Other skills taught include: cover float serving, top spin serve, jump float, and jump spin serving; and the proper techniques in: forearm passing, overhead passing, and overlap rules of the game. Instruction on blocking systems and footwork commonly used in the collegiate and professional game is given. Students are also taught a 3-step approach and work on hitting a variety of setting tempos. Players will increase their volleyball IQ and ball control through drills, games, and play.

Players should bring proper athletic clothing and shoes; kneepads are optional.

>>> **Extracurricular course fee: $1,000 which includes a training shirt.**
This special program takes the place of the regular Physical Education classes.

If you want to participate in this program, select ***Exeter Volleyball Club*** in the sports dropdown menu on the application.

Extracurricular Activities

Music Activities

Extracurricular music activities are organized for students who wish to employ their talents and pursue their interests outside of the formal musical performance classes. We encourage students to bring their musical instruments and to join one or more of the vocal or instrumental groups.

>>> **If you want to participate in one of the following free extracurricular music programs, be sure to indicate your interest during the onboarding process.**

Jazz Jam - Open to the entire Summer community who have previous experience playing jazz. This group provides an opportunity to sharpen improvisation skills with other musicians who have similar interests in the blues and other standard tunes. Novices are welcome to attend to listen, support the players, and participate when they feel comfortable. Participants are welcome to "sit in" on a final session and concert the last week of classes.

>>> *Meets one evening for one hour each week*

Evening Ensembles - All interested students are encouraged to participate. This group provides coaching and accompaniment of solos. Auditions for forming chamber groups will be held during the first week of the session.

>>> *Meets two evenings for one hour each week*

Glee Club - Open to the entire Summer community, this group sings and performs music from a wide range of traditional and contemporary music.

>>> *Meets two evenings for one hour each week*

Private Music Lessons

The Academy offers lessons in voice and a variety of instruments. ***Students who wish to take music lessons should indicate so on the application. Lessons may be added until May 15, 2024.***

>>> Cost for Private Music Lessons:
$425 for five 50-minute lessons
$250 for five 25-minute lessons

Student Activities

The Student Activities Office provides students with a variety of educational and leisure outings particular to New England. Trips are scheduled on weekends and Wednesday afternoons. Exeter Summer charges a user fee rather than a blanket charge included in the tuition. The user fees are based on cost of admission (where applicable), the cost of transportation, and administrative expenses. We also offer a number of no cost on-campus activities throughout the summer. We will continue to enhance these activities in response to students' ideas.

Examples of possible trips and estimated fees:

Blueberry Picking	$10
Canobie Lake Amusement Park	$45
Downtown Portsmouth	$20
Fisher Cats Baseball Game	$40
Hampton Beach	$20
Mini Golf	$20
Mt. Major Hike	$20
Paint Instruction	$20
Pottery Painting	$20
Rockingham Mall	$20
Water Country Water Park	$45

On-campus free events have included:

Closing Carnival
Dodgeball Tournament
Exeter's Got Talent
Karaoke
Flick N' Float
Movies
Painting
Spikeball

EXETER
SUMMER

exeter.edu/summer