



GERMANTOWN FRIENDS SCHOOL

JANUARY TERM

Course Catalog

2023

STATEMENT OF PHILOSOPHY

January Term enables our community to live the mission and core values of our school by exploring new passions, interests, and interdisciplinary ways of learning about the world and ourselves. Through a modified schedule and course offerings outside of the regular curriculum, January Term provides teachers and students a space for experimentation, investigation, and reflection.

January Term is supported by a dedicated committee of Upper School teachers and administrators. In alignment with the program's philosophy, it is entirely elective and all courses are evaluated on a credit/no credit basis. Students submit preferences following the publication of the course catalog, and enrollment is facilitated by members of the committee. Successful completion of three January or May Term sessions is a graduation requirement.

GERMANTOWN FRIENDS SCHOOL

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Course Catalog

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PROGRAM STRUCTURE AND SCHEDULE

January Term consists of two 9-day sessions. Each day includes three 90-minute blocks scheduled around homeroom, community time activities, and lunch. Classes meet in a single block (90 minutes), half block (45 minutes), double block (3 hours), or all day. Classes meet for a single session (9 days) or a double session (18 days). School arrival and dismissal times are consistent with other terms of the year.

JANUARY TERM 2023

INDEX OF COURSES

COURSE NAME	CLASS LENGTH	SESSION LENGTH	PAGE
ABCs in Japanese	90 MIN	9 DAY	10
Abstract Painting	90 MIN	9 DAY	10
The Atrium	45 MIN	9 DAY	19
Basics of Film Scoring	45 MIN	9 DAY	19
Bicycle Maintenance 101	90 MIN	9 DAY	24
Biology of the Senses	90 MIN	9 DAY	10
Biotechnology: GMOs	90 MIN	9 DAY	10
Bob Dylan, The Sixties, and American Cultural Change	90 MIN	9 DAY	11
Build a Wooden Stool	90 MIN	18 DAY	23
C is for Crafty	90 MIN	9 DAY	11
Career and Tea Club	45 MIN	9 DAY	20
Character Design	45 MIN	9 DAY	20
Children's Theatre	90 MIN	9 DAY	11
Chinese Cinema	90 MIN	9 DAY	11
Chinese Cooking & Cuisine	90 MIN	9 DAY	12
Cryptography	45 MIN	9 DAY	20

COURSE NAME	CLASS LENGTH	SESSION LENGTH	PAGE
Cults	90 MIN	9 DAY	12
The Current Supreme Court Term	90 MIN	18 DAY	23
Destination Germantown	90 MIN	9 DAY	12
Digital Workshop	45 MIN	9 DAY	20
Documentary Film History & Production	180 MIN	18 DAY	25
Elevator Pitch	90 MIN	9 DAY	12
Embracing the City Through Fitness	180 MIN	9 DAY	24
Engineering and Design Challenges	180 MIN	9 DAY	24
Equestrian Studies 101	180 MIN	9 DAY	24
Exploring African American Music	90 MIN	9 DAY	12
Exploring and Documenting Waterways from GFS to the Atlantic	ALL DAY	9 DAY	25
Explorons le monde francophone!	90 MIN	9 DAY	13
Film Festival Workshop	45 MIN	9 DAY	20
Film Through a Philosophical Lens	180 MIN	9 DAY	24
Forensic Anthropology	90 MIN	9 DAY	13
Geopolitics and the United Nations	90 MIN	9 DAY	13

COURSE NAME	CLASS LENGTH	SESSION LENGTH	PAGE
Hidden Philly	ALL DAY	9 DAY	25
I'm an ENFJ Scorpio in Gryffindor	90 MIN	9 DAY	13
If You Give a Teen a Flashback	90 MIN	9 DAY	13
Introduction and Applications of AI	90 MIN	9 DAY	14
Introduction to Meteorology	90 MIN	9 DAY	14
The Kids are Alright	90 MIN	18 DAY	23
Kinetic Art and Sound Gadgets	45 MIN	9 DAY	21
Knitting for All	90 MIN	9 DAY	14
Language Lab	45 MIN	9 DAY	21
Laser Cut Jewelry	90 MIN	9 DAY	14
Leisure for Your Benefit	45 MIN	9 DAY	21
Life is a DRAG!	90 MIN	9 DAY	14
Lunch for the Hungry	90 MIN	9 DAY	14
Magic and Games	90 MIN	18 DAY	23
Medieval Engineering	90 MIN	9 DAY	15
Objects of Adoration	90 MIN	9 DAY	15

COURSE NAME	CLASS LENGTH	SESSION LENGTH	PAGE
Our Films, Ourselves	180 MIN	9 DAY	25
Physics Olympics for Seniors	90 MIN	9 DAY	15
Positive Masculinity	90 MIN	9 DAY	15
Prints for Progress	90 MIN	9 DAY	15
Pure Barre	45 MIN	9 DAY	21
The Reading of the Will: Shakespeare's King Lear	90 MIN	9 DAY	15
Rube Goldberg and the Study of Simple Machines	90 MIN	18 DAY	23
Sculpture: Giant Cardboard Animal Masks	90 MIN	9 DAY	16
Sewcialism for Beginners	90 MIN	9 DAY	16
The Sketchbook Project	90 MIN	9 DAY	16
Sleeping and Moving	90 MIN	9 DAY	16
SOS: Science on Screen	90 MIN	9 DAY	16
Spread a Little Sawdust - Creating the Scenery for Pippin	90 MIN	9 DAY	17
Stories from The New Yorker: A Literature and Writing Course	45 MIN	9 DAY	21
Studies in Renaissance Poetry: The Faerie Queene	90 MIN	9 DAY	17
Taking Hitchcock Seriously	90 MIN	9 DAY	17

COURSE NAME	CLASS LENGTH	SESSION LENGTH	PAGE
Teaching Computer Science in Schools	180 MIN	9 DAY	24
Television Through the Years	90 MIN	9 DAY	17
(This Class is) the Icing on the Cake	90 MIN	9 DAY	17
A Time to Read	45 MIN	9 DAY	22
To Infinity and Beyond!	90 MIN	9 DAY	17
The Trails of the Wissahickon	90 MIN	9 DAY	18
TRASHION	90 MIN	9 DAY	18
True Crime Podcasts	90 MIN	9 DAY	18
Uke Jam	45 MIN	9 DAY	22
Watergate and Its Legacy	45 MIN	9 DAY	24
We're Recording an Album	90 MIN	9 DAY	18
Who Is a Poem?	45 MIN	9 DAY	22
World Cup...Continued	90 MIN	9 DAY	18
Your Voice Matters: Shaping a Social Justice Movement	90 MIN	9 DAY	19
Zumba	45 MIN	9 DAY	22

COURSE DESCRIPTIONS

90-MINUTE, 9-DAY CLASSES

ABCS IN JAPANESE

Nobuko Komura and Miku Shiota

This is an introductory language-learning course in written and spoken Japanese with cultural and subcultural experiences. Students will learn how to write their names, words, and phrases in three Japanese writing systems (Hiragana, Katakana, and Kanji). Spoken language includes self-introduction, greetings, counting, weather terms, tongue twisters, and classroom expressions. Students will also enjoy a variety of experiences such as songs, literature, calligraphy, brush writing, Manga, animation and other films, and origami. If time allows, we will cover the history of Buddhism and meditation (concept and practice); Ayatori (string figures); Karuta (Japanese traditional card games, such as Hyakunin Isshu - a Tanka-Poems card game); and the train system in Tokyo.

ABSTRACT PAINTING

Caroline Santa

Non-representational art allows the artist to communicate in personal or alternative ways. In this course, we will look at a variety of abstract artists throughout history, including present day. Students will create their own abstract paintings with acrylic paint. All levels of experience are welcome.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

BICYCLE MAINTENANCE 101

Matthew Young and Mark Levenstien

This course will teach essential bicycle maintenance skills through partnership with Neighborhood Bike Works, a Philadelphia bicycle-advocacy group. We will also engage with local cycling community members to expand our knowledge of the cycling industry and collaborate to promote bicycle safety and advocacy.

BIOLOGY OF THE SENSES

Bob Lynam and Vandita Sinha

This course will investigate how sensory input is received from the environment and how this information is processed and organized by the brain. It will involve both classroom lectures and lab activities in support of these concepts. Videos related to class discussions will also be assigned. There will be one weekly assignment to be done outside of class.

BIOTECHNOLOGY: GMOS

Gen Nelson

Biotechnology is the use of molecular techniques to make products or processes. The field of biotechnology draws on knowledge from many biological sciences, including genetics, molecular biology, biochemistry, cell biology, and microbiology. It also draws on non-biological fields of study, such as engineering, chemistry, physics, and technology. Applications of biotechnology are vast and include health care, agriculture, forensics, industry, the military, waste management, and more.

While experimenting, students will learn how to extract DNA from cells, amplify gene sequences with polymerase chain reactions, and separate DNA fragments with electrophoresis. Students will use their results to differentiate genetically and non-genetically modified crops. In addition to lab work, students will perform research and create presentations. Assessment will be based on preparation, participation, collaboration, stewardship, and proper laboratory behavior.

BOB DYLAN, THE SIXTIES, AND AMERICAN CULTURAL CHANGE

Joe McGeary

“Once a singer stood at a world crossroads. For a moment he held a stage no one has more than mounted since - a stage that may no longer exist,” writes the cultural critic Greil Marcus about Bob Dylan, who “in 1965...seemed less to occupy a turning point in cultural space and time than to be that turning point.” In this course we will trace the arc of Dylan’s life and work from his youth as an unwilling “voice of a generation” to his current status (sixty years later and counting) as a Nobel laureate, elder statesman, and chronicler of American music. We’ll listen to Dylan’s songs and study them as both poetry and cultural history, while also reading selections from his memoir, *Chronicles*. We will also look into several performances over the decades by the singer who “appeared onstage at the Newport Folk Festival with an electric guitar in his hands [and made] an electric noise that to many signified corruption and lies,” but that now seems an inevitable progression for a songwriter and poet whose genius perhaps resides in his belief that “an artist has to be in a constant state of becoming” and that “once you figure that out, you’ll sort of be alright.”

C IS FOR CRAFTY

Kayla Ashcroft and Devra Ramsey

Let’s make crafts! Weave pot holders, embroider a pillow, macramé a plant holder, create a stained glass picture. This is an active class that is about using your hands and exercising your creativity. There are many techniques and mediums to explore.

CHILDREN’S THEATRE

Jake Miller

Let’s make a play...for kids! This course is a look at some of the different styles and traditions in children’s theatre and storytelling. And then - a chance to make and perform for the youngest members of our community. All are welcome. No previous theatre experience needed - just come ready to play and be a little childish yourself.

CHINESE CINEMA

Yi Li and Ivy Zhao

This course will immerse students in a rich exploration of Chinese culture and history through the work of Chinese-language filmmakers Ang Lee, Jia Zhangke, Hou Hsiao-Hsien, and others. We’ll meet gangsters and Chinese mythical deities, and explore splendid scenery and iconic modern cities like Beijing, Shanghai, Taiwan, and Hongkong, as well as art, music, and Chinese cuisine. Our aim is to expose students to a side of Chinese society that they will not have encountered before, and we will consider issues such as inequality, censorship, education, and the imbalance of economic development. Cultural activities, such as Kung fu, Calligraphy and brush painting, folk dance, as well as some fun quiz shows, will be woven into movies for students to understand and experience the specialties of Chinese tradition.

CHINESE COOKING & CUISINE

Yi Li

This course will immerse students in a rich exploration of Chinese cuisine and culture through the medium of making delicious dishes. Students will examine the history of dining and the ritual of eating in China. They will learn about the distinctive characteristics of different regional cuisines and various cooking methods through the documentary *A Bite of China*. We will visit local Chinese restaurants to experience authentic and Americanized Chinese food. Students will also cook many dishes ranging from common homemade food and special food that is eaten at certain festivals to popular snacks and boba milk tea. We will be in the classroom, visiting food locations in the area, cooking, and researching regional foods for a final presentation.

CULTS

Jamie Tomczuk

What is a cult and what makes these groups so powerful? This course will seek to answer these questions and analyze how and why cults have risen in prominence at different points in US history. We will take a deep dive into 2-3 specific cults in the United States using documentaries and text as our primary sources. We will analyze how/why they grew in membership by considering contextual, social-psychological, and individual factors. Students will craft their own definition of a cult and continue to add to, edit, and refine that definition as the course progresses. Students will also research one organization of their choosing to analyze whether or not it fits the criteria, and present their findings in small groups to their peers.

DESTINATION GERMANTOWN

Penka Slavova

Immerse yourself in the vibrant history and culture of Germantown. In this course, we will explore the neighborhood on foot, learning

about the history of Germantown and GFS in Germantown, getting to know community institutions and leaders, and discovering the culture outside the school's fences. Students will create a project inspired by the long, rich history and present day culture of Germantown.

ELEVATOR PITCH

Aaron Preetam

Students in this class will use Design Thinking to solve a pain point and be able to convey the solution to an investor in 30-60 seconds. Students will learn how to identify and monetize pain points and how to examine and evaluate business plans. Through practicing the art of the elevator pitch, students will learn to present their ideas concisely and respond to questions from potential investors.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

EXPLORING AFRICAN AMERICAN MUSIC

Chris Coyle and Fared Simpson

This course offers an introduction to the vast universe of African American music. Using a wide variety of source material, students will develop a foundational understanding of how and why this music came to exist in the United States. We will piece together musical and cultural timelines and make important connections between styles/artists/events. Students will also collaborate in producing a digital journal on topics in African American music history. Alone or in pairs, they will choose topics of interest, then research and create writings or graphics for inclusion in the journal, which will be shared and available to all. Students can expect fun and eye-opening discussions, joyful group listening, visits from guest artists, and performance demonstrations.

EXPLORONS LE MONDE FRANCOPHONE!

Andrea Barrows

Do you want to expand your French vocabulary and cultural knowledge? This course will give students the opportunity to dive deeper into a chosen French/Francophone region by learning more about its culture. Students will work both independently and in small groups with the opportunity to collaborate on presentations or projects. This class will be taught in immersion French.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

FORENSIC ANTHROPOLOGY

Mila Munoz-Mazurkiewicz '23 and Ania Mazurkiewicz-Munoz

Forensic anthropology is a subfield of anthropology – the study of human remains – where analysis of the skeleton is used in solving criminal cases. In other words, forensic anthropology is the study of bones, “our last and best witness; they never lie and they never forget” (Dr. Clyde Collins Snow). Forensic anthropology is used to identify a corpse when it is too decomposed for a forensic pathologist or coroner to examine. In this class, we will learn about the anatomy of the human skeleton, determining the identity of a skeleton (e.g. sex, age, race), identifying murder weapons via types of trauma to the skeleton (e.g. blunt force, sharp force, projectile trauma), in addition to performing experiments and labs associated with the material covered in the class.

GEOPOLITICS AND THE UNITED NATIONS

Mike Whaley '23 and Aaron Preetam

What do the COVID-19 pandemic, climate change, food insecurity, migration crises, and atomic energy and nuclear disarmament all have in common?? They are some of the many issues

that the United Nations has tackled at one point in time or another. Through this J-Term course, students will explore how the United Nations works, and the ways in which international policy and relations impact day to day life in the United States. We will look into the ways that geopolitics impacted conflicts across the globe in World War II and beyond. You will walk away from this class with a better understanding of global interactions and conflicts, and will be a better public speaker, researcher, writer, as well as a more engaged global citizen.

I'M AN ENFJ SCORPIO IN GRYFFINDOR

Dan DiPasquale, Jamie Tomczuk, and Kayla Ashcroft

Students will take various personality-type indicators as a way to reflect on who they are and who they are becoming. Students will analyze the indicators, take a variety of assessments/batteries, and write reflections on their results. Everything from the Myers-Briggs to the enneagram to the sorting hat is fair game in this journey towards understanding oneself, as well as folks with different personalities.

IF YOU GIVE A TEEN A FLASHBACK

Devra Ramsey and Behnaz Varamini

This course is an exploration of young children’s literature (i.e. picture books). Students will reacquaint themselves with beloved books from their childhood and explore new and unfamiliar titles. The goal is to develop a greater appreciation and love for the genre. Picture books are full of lessons to be learned, both blatant and nuanced; this is the focus of our exploration. There will be a variety of ways for students to participate fully. A piece of this course may involve visiting Lower School classrooms and reading with our younger community members.

INTRODUCTION AND APPLICATIONS OF AI

Elias Hanford '23, Stefan Matic '23, and Colin Pigeon

The course will begin with an introduction to AI concepts as well as applications. Topics may span from sentiment analysis to image classification. Class pace will be determined by student understanding. Students will work in groups to complete projects throughout the course. Students will demonstrate knowledge learned in a final project of their choosing using AI concepts.

INTRODUCTION TO METEOROLOGY

Mark Croxford

Do you find yourself giddy when a tropical storm first gets named or when the Weather Channel sends forecasters to Philadelphia to do live feeds from our city streets? If so, this class may be for you. Equipped with a few basic principles about the atmosphere, you will be surprised at how quickly you'll read the clouds and weather maps, appreciate the relevance of wind direction, and explain the difference between a tornado and a hurricane. Our class will also utilize the vast array of online data and forecasting to gain an understanding of our daily weather. Students will even be able to make a basic forecast. If we're lucky, we may get to livecast a developing nor'easter during class!

KNITTING FOR ALL

Gen Nelson and Alice Mather '23

This course will teach students the basics of knitting: casting on, knit stitches, and purl stitches. Students who have mastered these techniques may choose to begin a project for themselves or to donate to a charity of their choice. Interested students will be able to explore basic patterns such as cables and ribbing. Learning to knit involves developing patience and persistence, and we will spend time discussing these qualities with intentionality and mindfulness.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

LASER CUT JEWELRY

Sarah Zwerling and Megan Culp

Learn how laser cutting can create intricate designs, cut shapes, and etch photographic and drawn images. You will learn how to use Adobe Illustrator to design and produce jewelry and decorative objects on wood, acrylic, metal, and fabric. This course involves sketching on paper, researching designs for inspiration, and finishing pieces with metal findings, string, cord, and beads. There will be instructions on how to photograph your products and showcase your designs.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

LIFE IS A DRAG!

André Lee and Jake Miller

Life is DRAG! is an exploration of the history of drag and drag performance - and its influence on society. In this class, we will consider drag's intersection with pop culture, fashion, activism, identity, queer liberation, and more. We will consider the ways drag forces us to accept what we don't yet understand...how it has and continues to be an agent of change...and how the art of drag performance intersects with the personal and communal search for identity. Join us for screenings, guest speakers, live performances, and yes...wigs!

LUNCH FOR THE HUNGRY

Oscar Schwartz '23 and Vandita Sinha

This interdisciplinary service-learning course will focus on addressing food insecurity in the Germantown community. We will learn about food deserts, hunger statistics, ways to help, and much more. We will take this knowledge and apply it through volunteer work with local organizations. We will cook and serve meals, assemble food packages, help with a food drive, work with a community fridge, listen to guest speakers, and more. The course will finish with a reflection session where we discuss our experiences and relate them back to what we learned. Students will create relationships with community members, explore Germantown, engage with our local

surroundings, and feel good!

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

MEDIEVAL ENGINEERING

Jack Leitzell '23, Dylan Sassaman '23, and Tracey Spinka

This course will involve the study of engineering and technology during the medieval period. The insights gained from this study will be put to use in a workshop-style setting where students will construct their own projects to meet design challenges.

OBJECTS OF ADORATION

Sara Charmé-Zane and Caroline Santa

Throughout history, the labor of art-making has been a symbol of devotion. Maybe you want to paint a portrait of your dog or make a gift for your crush. We will look at historical and contemporary examples and create our own objects of adoration based on the subjects we cherish.

PHYSICS OLYMPICS FOR SENIORS

Tracey Spinka

This course is an opportunity for seniors who missed this seminal experience during their freshman year because of the pandemic. Students will work in teams to design and construct various contraptions to compete in a “Physics Olympics.” They will be provided with design specifications, materials, and information about how each event will be evaluated. Students will apply their understanding of physics to build cars, trebuchets, towers, and/or gliders. The devices built by each team will be put to the test by engaging in some lighthearted competition to see which team gets the gold for each event!

POSITIVE MASCULINITY

Randy Mower and Eric Aurelien

In this class, we will use the text *For the Love of Men* by Liz Plank as a guide to help students examine masculinity in today’s world. We will utilize passages from the book, as well as examine other forms of media, such as videos, podcasts, and social media, to dissect contemporary masculinity. During class students will work introspectively and have time to journal as well as work in small groups that will lead to full class discussions. The goal of the class is for students to have more depth and breadth in what masculinity means in the modern world and how they can be better equipped to navigate positive masculinity. The class is open to all gender identities.

PRINTS FOR PROGRESS

Megan Culp, Robin Friedman, and Caroline Santa

Prints for Progress is a printmaking class in collaboration with the Fabric Workshop and Museum. Students will work both in-person and virtually with the Fabric Workshop, learning about the museum and how they partner with artists, the process of screen printing, and its capacity for social change. Students will produce various print materials such as broadsides, flags, and a reader consisting of student poetry and scaled-down reproductions of their work. Other activities include exploring methods of printmaking, such as mono-printing, and relief printing, such as linocut and collagraph printing. There will be two in-person visits to the Fabric Workshop and students will meet with a visiting poet.

THE READING OF THE WILL: SHAKESPEARE’S KING LEAR

Alex Levin and Becky Lu

Let’s bring Shakespeare’s amazing play *King Lear* to life together! One of Shakespeare’s most compelling plays, *King Lear* is an unforgettable read that works really well when read aloud and performed. Our class will endeavor to dig into the play by taking many approaches, including

close reading, vocal performance, looking into its performance history, and designing our own mini-production of it. All are welcome - no theatrical experience necessary. Bring an open mind and a sense of humor!

SCULPTURE: GIANT CARDBOARD ANIMAL MASKS

Geo O'Donnell and Stephen Holt

Do you like to build things? Do you dig creating sculptures? Would you like to spend some time making something with your hands? Then you should consider taking Sculpture: Giant Cardboard Animal Masks. Inspired by artist Sachiko Akiyama, we will make giant animal masks/headpieces out of cardboard and paper mache. This is a course with a singular focus that will hopefully be both calming and generative. Each student will settle on an animal, make a small prototype, then create their large headpieces. Then maybe we will parade them through Early Childhood classrooms? Either way, you will have some fun large-scale art when we're done. No prior sculpture experience is necessary; remember, in the beginner's mind, there are many possibilities. (Check out *For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.*)

SEWCIALISM FOR BEGINNERS

Kate Garrity, June Gondi, and Becky Lu

Want to create your own clothes and/or accessories? Longing to spend time in community with other makers? In this course, students will learn the basic concepts of clothing and/or accessory construction and will create a simple top, a pair of pants, or a bag. Topics covered include:

- How to select patterns good for beginning sewists
- Identifying qualities of various types of fabric
- How to select the correct fabric for your pattern
- Various ways to obtain fabric (online, thrifted, repurposed, in person)
- How to read a pattern, lay it out, and cut it out
- The basics of setting up and operating a sewing machine

- Constructing a basic item to wear (or carry)
- Community resources for sewists (podcasts, Instagram accounts, etc.)
- Diversity initiatives within the maker community

THE SKETCHBOOK PROJECT

Megan Culp

Create a sketchbook for the Sketchbook Project, a global creative storytelling community. Organized by the Brooklyn Art Library, sketchbooks are filled with images inspired by one of the chosen themes, collected from global participants, cataloged, and sent on tour to be viewed. In this class, you will choose one of the themes from the 2023 Sketchbook Project and fill a sketchbook with your imagery to be sent back to and cataloged at the Brooklyn Art Library. We will explore a range of materials and techniques together as a class in order to inspire your book.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

SLEEPING AND MOVING

Matt Sheehan

How'd you sleep last night? Did you get in a good workout today? In this class, we will explore the benefits of sleeping and moving. Additionally, we will discuss some potential pitfalls that can arise if sleep and activity are neglected. While completing a sleep log throughout the course, students will get to take a deeper look at their own sleeping habits and routines. The underlying goal of the class is for students to learn about the importance of sleep, but also be introduced to new methods and options to increase their sleep quality. In return, their lives, as they know them, will never be the same!

SOS: SCIENCE ON SCREEN

John Ceccatti

In this discussion- and writing-based class, students will explore how science and scientists are depicted in a variety of recent feature films. We will compare these portrayals with societal views of who scientists are and what their role in society can be.

SPREAD A LITTLE SAWDUST - CREATING THE SCENERY FOR PIPPIN

April Tvarok and Ada Cheung

This class is open to anyone who is interested in learning new skills or wants to practice already learned skills in theatrical scenery work. We will learn to use the tools and skills needed to build the scenery for the Upper School musical, Pippin.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

STUDIES IN RENAISSANCE POETRY: THE FAERIE QUEENE

Becky Lu and Alex Levin

During the reign of Queen Elizabeth I, Edmund Spenser composed an epic poem in which the mighty queen at its center was a magical version of his monarch. It is famous for both its length and complexity, and Spenser uses Arthurian legend to frame the politics of his own day, using the language of epic and heroic poetry. Usually reserved for college students and beyond, this course is an opportunity to encounter a work of literary and historical significance, set in a strange and enchanting world of its own. Come read about knights and dragons and evil sorcerers with us!

TAKING HITCHCOCK SERIOUSLY

Alex Guevarez and Adam Hotek

A blast course in the filmwork of Alfred Hitchcock, we will take account of his status as a master auteur and classic, meta-classic, and post-classic Hollywood filmmaker par excellence. In addition to discussion of key films, some consideration will be given to readings drawn from the extensive secondary literature about Hitchcock and the significance of his work.

TELEVISION THROUGH THE YEARS

Max Fulmor '23 and Kayla Ashcroft

How are sitcoms made now influenced by sitcoms made in the late 20th century? Why has Saturday Night Live remained popular over its nearly 50-year run? These are just some of the questions that students will explore in this class. By watching episodes of popular television shows from various genres from the past few decades, students will engage in discussions covering a multitude of topics, such as the differences in production, costuming, dialogue, technology, and many more. We will also be comparing how early television shows and modern television shows address topics like race, class, gender roles, and sexual orientation. If you enjoy watching and analyzing television, this is the class for you.

(THIS CLASS IS) THE ICING ON THE CAKE

Neeta McCulloch

In this hands-on course, students will learn decorating techniques to use on cakes and cupcakes. We'll start with beginning piping skills, such as dots, lines, shells, rosettes, and ruffles, then move on to more advanced skills like flowers, succulents, spatula painting, and embroidery. Each class will begin with a short instructional video or demonstration before we pick up our piping bags and try out what we've seen. We'll spend most of our time practicing on parchment paper and cupcakes, but the class will culminate with students learning to fill and frost a six-inch cake, then using their new expertise to decorate it. Please note that students are expected to bring in undecorated cupcakes on at least two days of the class.

TO INFINITY AND BEYOND!

Jess Zeldes

What does it mean to have infinite numbers? Or infinite points in space? Can some infinities be bigger than others? In this course, we will dive

deeply into these questions and explore how infinity has been conceptualized historically, philosophically, and, most importantly, mathematically. Through lectures and readings, students will learn about some of the paradoxes of infinity and how mathematicians have reconciled them. Students will work in small groups to solve problems related to topics such as set theory, prime numbers, and the discoveries of Georg Cantor, who formalized the language of infinity and proved that there are infinities of different sizes. To solve these problems, we'll learn the mathematical techniques of proof by contradiction and induction, which are crucial tools in the study of infinite sets.

THE TRAILS OF THE WISSAHICKON

Michael Koehler

This class will focus on learning and experiencing the different trails of the Wissahickon. Students will have the opportunity to walk, photograph, and write while being submerged in the beauty of the park. We will visit different park landmarks and learn about their historical significance. An aspiration for the class is that students learn how to navigate the park while developing a deep relationship with the natural environment and beauty.

TRASHION

Sara Charmé-Zane, Jedi Dudurich, Jane Keenan '23, and Nina Braum-Bharti '25

In this course, we will explore the world of Trashion: making clothes, accessories, and jewelry from existing discarded materials, trash, and recycling. We will integrate thinking about the environment and the environmental impacts of fast fashion (as well as other disposable materials) with art and fashion-making skills. We will use found and repurposed materials to create different fashion artifacts. Over the course of the term, we will work toward finished pieces and putting together a collection, as well as consider ways to

share and display our work and learning!

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

TRUE CRIME PODCASTS

Meg Cohen-Ragas and June Gondi

True crime podcasts hook us with a great narrative, as we follow clues to crack a mystery and decide if we agree with the verdict, but the best true crime podcasts also reveal social systems and human nature. Starting with Serial, we will collectively listen to podcasts that raise social and ethical issues, including, White Lies, Anatomy of Doubt, The Jail Tapes in the Dumpster, How Police Caught the Golden State Killer, and Dirty John. We will discuss evidence, storytelling techniques, police protocols, reliable narrators, victim rights, the nature of the crime, detective techniques, and the justice system. Be prepared to take notes, discuss, and make a presentation to the class.

WE'RE RECORDING AN ALBUM

Sam Sullivan

Bring your bandmates or come alone! In this course, we will work through the process of writing and recording a song. To build group connection, students will agree on a loose theme at the start of the workshop. Each student (or group of collaborators) will then work to write and record a song somehow related to that theme. Instructors will support students through this process, and songs will be recorded using Garageband. The final product will be a collaborative "album" of songs on the group's chosen theme. Musical experience is advantageous, but not required. Instructional activities will include:

- Lyric and melody-writing exercises and techniques
- Song deconstruction/careful listening
- Lots of support and feedback from instructors and classmates alike

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

WORLD CUP...CONTINUED

Chan Kim and Jared Lazorko

This course is all about soccer and the World Cup! Students will learn about the history of the World Cup (both men's and women's) and the positive and negative impacts the World Cup has on host countries. They will research famous soccer players, watch soccer, and learn how to play soccer by scrimmaging right on the GFS Commons or at Fields.

YOUR VOICE MATTERS: SHAPING A SOCIAL JUSTICE MOVEMENT

Charla Okewole and Michelle Palmer

Are you interested in discussing social justice issues? If so, join us for investigation, conversation, and solutions to concerns that are affecting our society. We will offer learning opportunities, lively discussions, and action plans for change. As Dr. Martin Luther King, Jr., reminded us, "Injustice anywhere is a threat to justice everywhere. We are caught in an inescapable network of mutuality, tied in a single garment of destiny. Whatever affects one directly, affects all indirectly.

45-MINUTE, 9 DAY CLASSES

THE ATRIUM

Ben Brust

The Atrium, as we fondly call the gathering space between A1, A2, and A4, is a laughter-filled hall where students of all levels cross paths, collaborate, and learn together. In this class, current and new students of Latin and Ancient Greek are invited to further or begin their language study. Do you want to dabble in a new language? Continue the year's work or get a jump start on next year? Read a particular ancient author? Learn through teaching and mentoring other students? Conduct a research or creative project? Expand your studies to include Sanskrit or ancient civilizations? All of this can happen in the Atrium. Participants can design their own plans or let the teacher guide them and may work in small groups or individually.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

BASICS OF FILM SCORING

Andrew Westerhaus and Shawn Hennessey

This course will focus on how music uniquely contributes meaning to audiovisual media, and students will learn how to create their own soundtracks to convey a particular emotion. In each class, we will watch several short scenes from films and the class will discuss the emotional effect that the music soundtrack adds. Students will learn about the process of professional film scoring. Using the music software GarageBand, each student will complete a few brief soundtrack projects of their own during class to accompany selected visual scenes. No experience is necessary; students will gain experience with GarageBand. More experienced students may use other music software if they choose (such as Sibelius, Logic, SoundTrap, Ableton, FL Studio, Studio One, Hook Pad, Digital Performer, etc.). Class activities will include audiovisual analysis, close listening, group discussion, music creation, and sharing student work.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

CHARACTER DESIGN

Colin Pigeon and Chan Kim

In this course, students will learn the process that goes into making a character in a video game or book. Students will explore how to design a character based on given traits and qualities. The class will be structured as discussion-based/independent time. Students will learn the basics and fundamentals of a 2D pixel software like Pixilart.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

CAREER AND TEA CLUB

Ivy Zhao

What careers will be important in the future? How will I contribute to society through my career? What does success look like? Career and Tea Club is a group exploration in which students will consider their futures as professionals while also enjoying tea together. In this fun and refreshing environment, students will research and discuss student-nominated careers and future career trends. Groups will then consider what success looks like in these positions, what hard and soft skills may support career development, and what professional resumés look like. Students will also learn about and sip tea.

CRYPTOGRAPHY

Jess Zeldes and Lilly Greene

*Ru blf xzm wvxlwv gsrh nvhhztv,
gsrh xlfihv ru uli blf!*

In this course, we will explore some basic forms of cryptography. We'll start the first two weeks with simple ciphers and decoders. We'll post secret messages to each other in public that only we can understand! The second half will be dedicated to a short introduction to number theory and digging into RSA encryption. (That's the encryption your computer uses.) Eventually we'll be able to send more complicated messages that are close to impossible to break. Throughout the course we'll

uncover clues to a master puzzle that hopefully we'll be able to solve by the end of the course!

DIGITAL WORKSHOP

John Henderson

Are you looking for a space and time to work on a computer program, laser cutting, 3D printing, website, editing project, or start a new design project? If so, join us for Digital Workshop. This student-led workshop will allow for students to engage in their creative pet projects. Come with an idea of something new to create or a work in progress. Students will be asked to support one another and give check-in reports to the instructors. All levels of digital learning are welcome!

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

FILM FESTIVAL WORKSHOP

Sarah Kappel, Paula Busser, Taddy Wang '23, and John Yang '23

The fifth annual Philadelphia Youth Film Festival (PHYFF) is a student-run film festival, hosted by GFS and set to run on Saturday, 2/25/23. This festival is run by current seniors Taddy Wang and John Yang, as well as a dedicated team of student leaders in the club. Students have various roles such as publicity, event coordination, sponsorships, submissions and judging, workshop speaker coordination, etc. This J-Term class is a hands-on, collaborative workshop where student leaders, staff, and faculty advisors work together to plan and execute the tasks needed to make PHYFF a successful event. This course is encouraged for all current members of PHYFF and is also open to students new to the club who are interested in participating in this year's festival.

KINETIC ART AND SOUND GADGETS

Sarah Zwerling and Andrew Westerhaus

In this class, we will invent individual kinetic gadgets that produce sounds and musical moments. Our collaborative design and construction of sound objects will develop from simple to complex, small to large scale, and it will involve both individual and group efforts. Sounds we create will range from atmospheric noise to actual musical tones. The sound gadgets that we build will rely on natural elements such as gravity, wind, human involvement, liquid, and air. Construction will utilize found materials, including broken instruments, scrap metal, wood, wire, string, hardware, tape, pipes, elastic, bamboo, hobby motors, and magnets. No studio experience is necessary. We encourage students to bring a sense of curiosity and playfulness to their work.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

LANGUAGE LAB

Andrea Barrows

Do you want to learn a new language? Or dedicate time in January to practicing a language you're already learning? Then this course is for you! Language Lab will provide space for students to design their own method of language learning in a supportive and collaborative environment. Students will investigate varying methods of language acquisition and better understand how their brains learn new things. There will also be several projects and reflective activities along the way so that students can share what they are learning and learn from others.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

LEISURE FOR YOUR BENEFIT

Chan Kim

Looking for leisure activities that can actually benefit your mental and physical well-being? In this class, we will discover free and accessible leisure activities that make you physically and mentally active and learn how they benefit your well-being. Learn how to play logic puzzle games like Sudoku, Kenken, and Nonograms; work as a team to solve difficult crossword puzzles; see what coloring and listening to music can do to destress you; and learn how simple physical activities we do in our everyday lives can be beneficial for your health.

PURE BARRE

Jedi Dudurich

Pure Barre is a full-body workout that transforms you physically and mentally. It's a musically-driven class that focuses on low-impact, high-intensity movements that strengthen and tone your body with a blend of Pilates, ballet, yoga, and strength training that incorporates a ballet barre or chair, dumbbells, and exercise balls.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

STORIES FROM THE NEW YORKER: A LITERATURE AND WRITING COURSE

Joe McGeary

This is a course for folks who love creative writing and love to read stories, especially stories about the city. Students will read selected short stories from the New Yorker from the 1930s to the present, with an eye to the way these stories reflect cultural changes in the US and also reflect innovations in the short story. Students will also do various creative writing exercises with the goal of producing a completed short story. Included will be such authors as John Cheever, Ann Beattie, Zadie Smith, J.D. Salinger, Yi Yin Li, and many more.

For a deeper dive, this class may be taken more

than once during the term; this preference can be indicated in the notes field of the course request.

A TIME TO READ

Alex Levin and Kate Garrity

Dive into a good novel, embark on a research adventure, or immerse yourself in poetry from times past and present. In this course, students will conduct a thoughtful reading journey by reading and discussing genres and books of interest to them and creating a reflection or project exploring the link between their own reading and their life beyond the page.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

UKE JAM

Anne Hess and Hayley Varhol

A Jam Session is a gathering of players who love to create music together. This is a class for those who LOVE to play ukulele and want to jam. Join us as we explore the power and fun of communal musicking! We will take a look at and learn to play and sing different songs - modern, classic, originals, etc. We may also improvise some songs as well! This class is intended for people who have at least some experience playing. If you know a handful of chords and are willing to learn, you are ready to jam. This is a ukulele-based group, but other instruments (cajon, tambourine, kazoo, etc.) are welcome, with skill levels from beginners to advanced. Ukuleles are provided.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

WATERGATE AND ITS LEGACY

Joe McGeary

This class will examine Watergate, the political scandal that caused the downfall of Richard Nixon, the only American president ever to resign from office. Re-examining this material now will, it is hoped, give students an enhanced understanding

of recent events in the US. Our main text will be Bob Woodward and Carl Bernstein's book, *All The President's Men*. We will also watch scenes from the film based on this book starring Dustin Hoffman and Robert Redford, documentary and newsreel footage from the Watergate hearings, and scenes from the Steven Spielberg film, *The Post*, which offers a different perspective on Watergate, centering on Daniel Ellsberg's leak of "The Pentagon Papers" to *The New York Times* and, subsequently, to the *Washington Post*. The course will examine whether distinctions can and ought to be made between the "high crimes and misdemeanors" of the Nixon White House on the one hand and, on the other hand, acts of civil disobedience by ordinary citizens who were morally opposed to the Vietnam War. It will appeal to anyone who likes great journalism, great documentary film, and great political intrigue.

WHO IS A POEM?

Alexander Guevarez

We'll look at poems, poets, kinds of poems, and their histories by thinking about the people the poems project: how does a piece of writing in verse (or in lyrical prose) work to let us imagine a person behind it, either its author or its character? When does the poem, instead, imagine you? How do poems entice us to care about them and about the people they project? We'll look at historically major authors, likely with a special focus on Donne, Pope, Hughes, Bishop, and Moore, along with contemporary poets including Estes, Hayes, and Youn.

ZUMBA

Jedi Dudurich

This is an energizing dance fitness class featuring Latin and International music. It mixes low-intensity and high-intensity moves for an interval-style, calorie-burning dance fitness party.

For a deeper dive, this class may be taken more than once during the term; this preference can be indicated in the notes field of the course request.

90-MINUTE, 18-DAY CLASSES

BUILD A WOODEN STOOL

Rachel Fuld and John Ceccatti

In this class, students will study how stools are constructed then transform rough lumber into a finished piece of furniture. In the process they will learn how to use a variety of hand and power tools, such as a draw knife, spoke shave, lathe, drill press, and chop saw.

THE CURRENT SUPREME COURT TERM

Conrad Haber and Ted Oxholm

This challenging course examines cases currently pending before the U.S. Supreme Court. Students will gain an understanding of the court's jurisdiction and procedures, then will select several of the currently pending cases for in-depth examinations. This will involve reading the legal briefs, the oral argument transcripts, and the critical precedential cases. Students will be expected to master the complex law involved in their case largely through their own investigation; the law will not be taught to them. The culmination will be mock Supreme Court arguments in which all students will serve both as counsel (in their own case) and justices (in the other cases). All who are prepared to read complex and lengthy texts, enjoy precise logical thinking, and are academic self-starters are welcome.

THE KIDS ARE ALRIGHT

Rob Goldberg and Maryanne Rawlings

"I believe that children are our future, treat them well and let them lead the way."

- Whitney Houston, 1986

Being a parent or childcare provider comes with a seemingly never-ending number of questions and conundrums on a range of topics. What can we learn from the fascinating process of human growth and development to inform all these decisions? What is the cultural history of

child-rearing advice and how has that advice — on everything from nursing a baby to choosing the right toys — changed over time and across different cultures? Using the community and campus as tools and laboratories, students will explore the philosophies and research surrounding human development from birth to adolescence. We will spend time with infants and their parents, visit Early Childhood classrooms, and explore local spaces designed for children. We will read about and discuss child-rearing beliefs and practices going back centuries, from pre-colonial Indigenous cultures to the birth of Parents magazine, and we will consider the surprisingly wide variations of child-rearing styles from one country to the next.

MAGIC AND GAMES

Matt Zipin and Dan DiPasquale

In this class, students will play interesting games with complex strategies and learn how to perform magic tricks. At the end of the course, we hope to have students perform their tricks for lower school students, faculty, staff, and peers.

RUBE GOLDBERG AND THE STUDY OF SIMPLE MACHINES

Jared Lazorko and Mark Levenstien

American cartoonist Rube Goldberg was an accomplished artist, but he is most known for the creative and complex machine designs featured in his cartoon strips. In this class, we will start small and work our way to constructing a large (and hopefully working) Rube Goldberg machine. By first learning about simple machines and how they work through hands-on activities and demonstrations, we will use the six simple machines to create a masterpiece!

180-MINUTE, 9-DAY CLASSES

BICYCLE MAINTENANCE 101

Matthew Young and Mark Levenstien

This course will teach essential bicycle maintenance skills through partnership with Neighborhood Bike Works, a Philadelphia bicycle-advocacy group. We will also engage with local cycling community members to expand our knowledge of the cycling industry and collaborate to promote bicycle safety and advocacy.

EMBRACING THE CITY THROUGH FITNESS

Tom Myran and Ted Oxholm

This advanced physical education course will include a variety of fitness activities the city of Philadelphia has to offer. Activities may include ice skating, hiking on the Wissahickon trails, indoor rock climbing, yoga, bowling, CrossFit training, spinning class, etc. Students of all fitness levels are encouraged to sign up but must be prepared to give their best effort in all activities.

ENGINEERING AND DESIGN CHALLENGES

Tracey Spinka and Bob Lynam

In this class, we will learn by building stuff. There will be a variety of design challenges, and, for each challenge, you will be given some background for context as well as parameters that include design specs (maximum or minimum dimensions, weight restrictions, etc.), permitted materials, and how the product of the challenge will be tested and evaluated. You will work in small groups to design and build your projects, then we will gather as a class to test them and perhaps even have some competitions. We will also do a “post mortem” debrief on the projects to see what lessons we can learn about the strengths and weaknesses of our various designs. Accept the challenge!

EQUESTRIAN STUDIES 101

Elena Quant

What is an equestrian? It describes something of, relating to, or featuring horseback riding! Have you always wanted to try horseback riding but haven't had the opportunity? If so, this class is for you! In this course we will learn about horses, horse care, equestrian careers, and the basics of horseback riding. We will be hosted by Monastery Stables in the Wissahickon where we will get hands-on lessons in the barn and beginner riding lessons with an experienced trainer.

FILM THROUGH A PHILOSOPHICAL LENS

John Yang '23 and Lilly Greene

What is the most important issue we face today? Money? Time? Homework? No! It's film and philosophy! Students will gain a brief introduction to philosophy, then learn how to analyze film both visually and through a philosophical lens. Students will apply those skills as they watch and discuss films such as *The Truman Show*, *Everything Everywhere All at Once*, *Gattaca*, and *Blade Runner*, as well as TV shows such as *The Good Place*. Students will also engage in creative projects, including the creation of a movie poster highlighting philosophical issues in a film of the student's choice, and writing, filming, and editing a philosophical short.

TEACHING COMPUTER SCIENCE IN SCHOOLS

Colin Pigeon and Jedi Dudurich

In this course, students will teach computer science and robotics to 8th graders at Saint Martin de Porres Independence School. Students will learn how to prepare and teach a lesson to a class. This is a great opportunity for students looking for teaching experience or those interested in sharing their computer science knowledge.

OUR FILMS, OURSELVES

Adam Hotek

When we watch a film, how does it change our perspective of the world and ourselves? We will explore this question by looking at how a variety of “auteur” filmmakers portray such things as love,

tragedy, joy, race, gender, the body, and space. We will also examine how animated features (such as Pixar movies) depict these concepts. Some filmmakers we may consider include Julie Dash, the Coen Brothers, Spike Lee, Jordan Peele, Andrei Tarkovsky, Miranda July, and Terrence Malick.

180-MINUTE, 18-DAY CLASS

DOCUMENTARY FILM HISTORY & PRODUCTION

Sarah Kappel and Paula Busser

Are you passionate about the medium of film? Documentaries are a popular way to tell stories and effect social change about topics that are inspiring to you. In this class, we'll explore the documentary format by reviewing a variety of films from different eras and making our own short films on topics of local interest that

students choose. We will review the history of the documentary, how it has changed, and how best to use this medium to describe and reveal a subject. Students participate in the planning, filming, and editing of a five- to seven-minute film. Topics will be local to Germantown: a business or restaurant, a local hero, an historical event, or a topic of community concern. Students serve as camera operators, directors, writers, sound/light specialists, and editors in this collaborative process.

ALL-DAY, 9-DAY CLASSES

EXPLORING AND DOCUMENTING WATERWAYS FROM GFS TO THE ATLANTIC

Mark Croxford and Michael Koehler

By van and by foot, this class explores waterways from Philadelphia to the Delaware Bay and on to the Atlantic Ocean. We will learn about the structure of the waterways themselves as well as the attendant ecosystems, culture, and history. We will return to absolute gems while hoping to find new ones - this includes the tidal marshes in the John Heinz National Wildlife Refuge, the wetlands of South Jersey bordering the Delaware Bay, and the lakes and creeks adjacent to the Delaware River. We may venture to a Quaker settlement on the Rancocas Creek or a meeting house on the Cohansey River or eat seafood at a diner on the edge of a reedy marsh.

HIDDEN PHILLY

Ethan Young '23, Hugh Rigdon '23, Robin Friedman, and Sam Sullivan

Over the course of nine full days, we will venture out into the City of Philadelphia and explore its hidden corners, nooks, and crannies. We will meet with activists, politicians, musicians, theatre-artists, changemakers, refugees and immigrants, scientists and professors, public workers, and chefs to more fully understand this place we call home, learning what makes it tick, its contradictions, and its majesty. We will travel by bus, train, foot, bicycle, and perhaps horse. We will see art, make art, and eat delicious food along the way.

INTERNATIONAL TRAVEL

Designed to support exploration and interdisciplinary ways of learning about the world and ourselves, January Term supports a suite of cultural and language immersion travel courses for students in grades 9-12. Participation in each of the following courses is often competitive and determined by advanced application and committee decision. Each program carries a separate fee and financial assistance is available to qualified applicants. Students enrolled in winter sports are advised that participation in January Term travel may impact playing time and/or the ability to use the winter season to fulfill Athletic requirements.

WINCHESTER, UK: WINCHESTER COLLEGE EXCHANGE

Germantown Friends School and Winchester College established an international travel exchange for students and faculty in 2013. While the exchange has been paused during the pandemic, we are excited to reinstate the program in the 2022-23 school year, anticipating that four GFS juniors or seniors will travel to Winchester College in England, and four students Winchester College students will visit GFS. The GFS cohort will travel to Winchester in January for three weeks of classes, study, sports, and travel. Applications from rising 12th Graders are due in September. January 4-27, 2023.

TLAXCALA, MEXICO: MEXICO EXCHANGE

Students travel to Tlaxcala, a provincial capital and a safe and prosperous city of 90,000, about 75 miles east of Mexico City on the way to Veracruz. GFS students will visit long-standing partner school Escuela Secundaria Técnica No.1 “Xicohtencatl Axayacatzin” and stay with host families for one month during January term. Participant families serve as homestay families in Philadelphia when Mexican students from the same school visit GFS during the month of April. Six applications will be accepted from 9th Grade Spanish students in September. January 3-27, 2023.

COSTA RICA: GENUINE SCIENCE RESEARCH AND COMMUNITY CONNECTIONS

The four-week course includes a two-week program centered on the scientific process applied in two distinct biological systems: ants and butterflies in the rainforest and sea turtles in the Pacific Ocean. Throughout the trip, we will also have programming with a rural-regional high school and local residents who have developed science research skills to support the local community. January 7-20, 2023.

PERU: INTENSIVE SPANISH LANGUAGE AND CULTURE CAPSTONE EXPERIENCE

A two-three week immersion trip to Peru for advanced Spanish language students serving as a capstone experience to Spanish study at GFS. This trip provides an immersive program, including in-country orientation, a homestay with locals, hike of Machu Picchu, and a partnership with a study-travel organization. Open to 10-12th grade students enrolled in Spanish. January 4-26, 2023.

FRANCE: INTENSIVE FRENCH LANGUAGE AND CULTURE DISCOVERY

A three-week intensive French language course at the Institut de Touraine and homestay experience with local French families. The Institute offers courses for every level of French student from absolute beginner to advanced; all students are eligible for the experience. Applications from interested students are due in September. January 6-27, 2023.

GREECE: ANCIENT AND MODERN

Latin and Greek students are invited to explore the ancient and the modern through an immersive two-week trip to Greece. With a week at GFS before and after, students will travel to Athens and, with the guides and lecturers from College Year in Athens, get immersed in the city itself, exploring its ancient sites and modern parallels. Lessons in Modern Greek will help students immerse themselves in the experience. Included is a trip to towns on the Peloponnese and up to Delphi. January 8 - 21.



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