

# CORE COURSES

## 2025-2026 Academic Year



PRESTANS ONLINE ACADEMY

### MATHEMATICS

Intro to Pre-Algebra	MAT060	Full Year
Pre-Algebra	MAT070	Full Year
Algebra I	MAT100	Full Year
Honors Algebra I	MAT110	Full Year
Geometry	MAT200	Full Year
Honors Geometry	MAT210	Full Year
Algebra II	MAT300	Full Year
Honors Algebra II	MAT310	Full Year
Precalculus	MAT400	Full Year
Honors Precalculus	MAT410	Full Year
Statistics	MAT500	Full Year
Advanced Topics in Statistics	MAT520	Full Year
Calculus	MAT600	Full Year
Calculus Based Statistics	MAT700	Full Year
Advanced Topics in Calculus AB	MAT720	Full Year
Advanced Topics in Calculus BC	MAT740	Full Year
Multivariable Calculus	MAT800	Semester
Linear Algebra	MAT820	Semester

### WRITING & LITERATURE

Social Justice for All	ENG060	Semester
Exploring Self and Society through Literature	ENG070	Semester
The Power of the Pen	ENG080	Semester
Storytelling Full Year	ENG100	Full Year
Classic & Contemporary Literature	ENG200	Full Year
Honors Classic & Contemporary Literature	ENG210	Full Year
American Literature	ENG300	Full Year
Advanced Topics in Language & Composition	ENG420	Full Year
Advanced Topics in Literature & Composition	ENG620	Full Year
Play and Protest	ENG510	Semester
Creative Writing	ENG520	Semester
When the Whistle Blows: Examining Sports, Society, and Literature	ENG530	Semester
Contemporary Literature	ENG540	Semester
Words: Traded, Whispered, Roared	ENG 550	Semester

### HISTORY

Middle School History 1: Case Studies in Power, Creativity, and Divinity	HIS060	Full Year
Middle School History 2: Case Studies in Power, Creativity, and Divinity	HIS070	Full Year
We the People: A Study of Citizenship in the United States	HIS080	Full Year
World History and Philosophy	HIS100	Full Year
United States History	HIS200	Full Year
Honors United States History	HIS210	Full Year
Advanced Topics in United States History	HIS220	Full Year
World History	HIS300	Full Year
Honors World History	HIS310	Full Year
Advanced Topics in Modern World History	HIS320	Full Year
United States Government	HIS600	Full Year
Advanced Topics in United States Government & Politics	HIS620	Full Year
Advanced Topics in European History	HIS720	Full Year
Microeconomics	HIS400	Semester
Advanced Topics in Microeconomics	HIS420	Semester
Macroeconomics	HIS500	Semester
Advanced Topics in Macroeconomics	HIS520	Semester
Microeconomics/ Macroeconomics Full Year Sequence	HIS450	Full Year
Revolutions: From Rebellion to Independence	HIS 530	Semester
Economics and Finance	FIN100	Semester

### ARTS

Photoshop/Digital Art	ART100	Semester
Public Speaking	ART101	Semester
Movie on iPhone	ART102	Semester
Screenwriting	ART103	Semester
Acting for Film	ART104	Semester

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## 2025-2026 Academic Year



### WORLD LANGUAGES

Middle School French 1	FRE060	Full Year
Middle School French 2	FRE070	Full Year
Middle School French 3	FRE080	Full Year
Middle School French 4	FRE090	Full Year
French 1	FRE100	Full Year
Honors French 1	FRE110	Full Year
French 2	FRE200	Full Year
Honors French 2	FRE210	Full Year
French 3	FRE300	Full Year
Honors French 3	FRE310	Full Year
French 4	FRE400	Full Year
Honors French 4	FRE410	Full Year
Contemporary French Literature	FRE420	Full Year
Advanced Topics in French	FRE620	Semester
German 1	GER100	Full Year
German 2	GER200	Full Year
German 3	GER300	Full Year
German 4	GER400	Full Year
Latin 1	LAT100	Full Year
Latin 2	LAT200	Full Year
Latin 3	LAT300	Full Year
Latin 4	LAT400	Full Year
Middle School Spanish 1	SPA060	Full Year
Middle School Spanish 2	SPA070	Full Year
Middle School Spanish 3	SPA080	Full Year
Middle School Spanish 4	SPA090	Full Year
Spanish 1	SPA100	Full Year
Honors Spanish 1	SPA110	Full Year
Spanish 2	SPA200	Full Year
Honors Spanish 2	SPA210	Full Year
Spanish 3	SPA300	Full Year
Honors Spanish 3	SPA310	Full Year
Spanish 4	SPA400	Full Year
Honors Spanish 4	SPA410	Full Year

### WORLD LANGUAGES CONT.

Advanced Topics in Spanish	SPA620	Full Year
Advanced Topics in Spanish Language and Culture	SPA720	Full Year
Mandarin Chinese 1	CHN100	Full Year
Mandarin Chinese 2	CHN200	Full Year
Mandarin Chinese 3	CHN300	Full Year
Mandarin Chinese 4	CHN400	Full Year
Advanced Mandarin Chinese Language and Culture	CHN600	Full Year

### SCIENCE

Conceptual Physics	PHY100	Full Year
Honors Physics	PHY110	Full Year
Biology	BIO200	Full Year
Honors Biology	BIO210	Full Year
Chemistry	CHM300	Full Year
Honors Chemistry	CHM310	Full Year
Advanced Topics in Chemistry	CHM320	Full Year
Environmental Science	ENV400	Full Year
Advanced Topics in Environmental Science	ENV420	Full Year
Biology of Covid	BIO400	Semester
Advanced Topics in Biology	BIO420	Full Year
The Molecular Biology of Cancer: Cells that Live Forever	BIO500	Semester
Advanced Science Writing	BIO600	Semester
Advanced Topics in Physics - Mechanics	PHY460	Full Year
Advanced Topics in Physics - Electricity and Magnetism	PHY470	Full Year
Psychology	PSY600	Semester
Advanced Topics in Psychology	PSY620	Full Year
Anatomy and Physiology	BIO700	Semester

# CORE COURSES

## 2025-2026 Academic Year



### TECHNOLOGY & ENGINEERING

Computer Science: Projects in Python	COM200	Full Year
Honors Computer Science: Projects in Python	COM220	Full Year
Advanced Topics in Computer Science - Projects in Java	COM400	Full Year



# MATHEMATICS

## **Intro to Pre-Algebra / MAT060 / FY**

This regular level 6th grade course is intended to provide students with an introduction to pre-algebraic concepts and skills. The class moves at a moderate pace ensuring mastery of core topics that will prepare students to be successful in Pre-Algebra. Students will complete a formative assessment (quiz) mid-module to gauge understanding of topics and allow for reteaching before moving on to additional content. At the end of each module, students will complete a summative assessment (test). This course aims to provide foundational pre-algebraic skills and to show students how the math they learn relates to their worlds and real life situations.

Prerequisites: None

## **Pre-Algebra / MAT070 / FY**

Pre-Algebra is a full-year course designed for students who are preparing to take Algebra 1. Students will complete asynchronous work to develop skills so that synchronous class time can be spent on answering questions and problem solving. Students will submit formative assessments regularly to gauge understanding of topics and allow for reteaching before moving on to additional content. At the end of each module students will have a summative assessment. In addition to other resources determined by the instructor, students will use My Math Lab to complete assignments and assessments. This course is essential in laying the building blocks for further algebra study. The mastery of performing operations with integers, fractions, and decimals is important to solving more difficult equations and will be applied in higher level math courses. Students should aim to complete these operations without a calculator to build these essential skills and number sense.

Prerequisites: None

## **Algebra I / MAT100 / FY**

This is a regular level Algebra 1 course with a total of 11 modules. The 11 modules will be covered in 30 synchronous sessions. Some modules will be completed after one synchronous session, while others will be covered over multiple synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned. Assignments will be given after every synchronous session, while assessments will be given, in general, after every two to three synchronous sessions. The course will move at a pace that will allow students who have successfully completed Pre-Algebra to extend their algebraic knowledge and skills by gaining a strong understanding of the concepts and topics covered during the Algebra 1 course.

Prerequisites: None

## **Honors Algebra I / MAT110 / FY**

This is an honors level Algebra 1 course with a total of 11 modules. The 11 modules will be covered in 30 synchronous sessions. Some modules will be completed after one synchronous session, while others will be covered over multiple synchronous sessions. Students will be assessed on their ability to complete calculations, their ability to explain the concepts that they have learned, and finally to apply the concepts they have learned to real-world problems. Assignments will be given after every synchronous session, while assessments will be given, in general, after every two to three synchronous sessions. The course will move at a pace that will allow students who have successfully completed Pre-Algebra to extend their algebraic knowledge and skills by gaining a strong understanding of the concepts and topics covered during the Honors Algebra 1 course.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: Pre- Algebra (B or above)

### **Geometry / MAT200 / FY**

This is a regular level Geometry course consisting of a total of 11 modules. The modules will be covered in 30 synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned. Assignments will be given after every synchronous session, while assessments will be given, in general, after every three synchronous sessions. Students who have successfully completed Algebra I will learn to apply those skills to Geometry concepts. Geometry uses Desmos classroom and a Savvas Realize online textbook, which is integrated with Canvas.

Prerequisites: None

### **Honors Geometry / MAT210 / FY**

This is an honors level Geometry course consisting of a total of 11 modules. The modules will be covered in 30 synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned. Assignments will be given after every synchronous session, while assessments will be given, in general, after every three synchronous sessions. Students who have successfully completed Algebra I will learn to apply those skills to Geometry concepts.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: Algebra 1 (B or above)

### **Algebra II / MAT300 / FY**

This is a regular level Algebra 2 course with a total of 10 modules. The 10 modules will be covered in 30 synchronous sessions. Some modules will be completed after one synchronous session, while others will be covered over multiple synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned. Assignments will be given after every synchronous session, while assessments will be given, in general, after every two to three synchronous sessions. The course will move at a pace that will allow students who have successfully completed Algebra 1 to extend their algebraic knowledge and skills by gaining a strong understanding of the concepts and topics covered during the Algebra 2 course.

Prerequisites: Algebra I

### **Honors Algebra II / MAT310 / FY**

This is an honors level Algebra 2 course with a total of 10 modules. The 10 modules will be covered in 30 synchronous sessions. Some modules will be completed after one synchronous session, while others will be covered over multiple synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned. Assignments will be given after every synchronous session, while assessments will be given, in general, after every two to three synchronous sessions.

The course will move at a pace that will allow students who have successfully completed Algebra 1 to extend their algebraic knowledge and skills by gaining a strong understanding of the concepts and topics covered during the Honors Algebra 2 course.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: Algebra 1 (B or above)

### **Precalculus / MAT400 / FY**

This is an on level Pre-Calculus course with a total of 6 modules. The 6 modules will be covered in 30 synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned and apply the concepts to real-world situations. Assignments will be given after every synchronous session, while summative assessments will be given, in general, after at the end of each module. The course will move at a pace that will allow students who have successfully completed Algebra 2, Algebra 2, and Geometry to extend their mathematical knowledge and skills by gaining a strong understanding of the concepts and topics covered during this Precalculus course.

Prerequisites: Algebra 2

### **Honors Precalculus / MAT410 / FY**

This is an honors level Pre-Calculus course with a total of 10 modules. The 10 modules will be covered in 30 synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned and apply them to real-world situations. Assignments will be given after every synchronous session, while assessments will be given, in general, after every three synchronous sessions. The course will move at a pace that will allow students who have successfully completed Honors Algebra 2 to extend their mathematical knowledge and skills.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: Algebra 2 (B or above)

### **Statistics / MAT500 / FY**

This is a Statistics course with a total of seven modules. The seven modules will be covered in 30 synchronous sessions. Students will be assessed on their ability to complete calculations, as well as their ability to explain the concepts that they have learned. Assignments will be given after every synchronous session, while assessments will be given after the completion of each module. The course will move at a pace that will allow students who have successfully completed, at minimum, their Algebra I, Algebra II, and Geometry courses to extend their mathematical knowledge and skills by gaining a strong understanding of the concepts and topics covered during the Statistics course.

Prerequisites: Algebra 2

### **Advanced Topics in Statistics / MAT520 / FY**

Advanced Topics in Statistics is a full year, advanced level course. The course moves at a consistent pace of roughly one chapter section per synchronous class. Students will be assigned asynchronous assignments prior to each class that will introduce the material so that synchronous sessions can focus on discussion and problem solving. Students will have 12 formative assessments with feedback for each textbook chapter and 3 larger summative assessments. Students are expected to complete all of the asynchronous work before each class session and make use of the reflections and post-session assignments.

Prerequisites: PreCalculus (B or above), Honors PreCalculus (C or above)

### **Calculus / MAT600 / FY**

Calculus is an intermediate level course for those who have successfully completed a pre-calculus class. In order to succeed in this course students must have strong problem solving abilities and a clear understanding of functions and function behavior. This is a full year course, consisting of 30 synchronous sessions. Each session will have approximately 1 hour of corresponding asynchronous material. This material will help students develop skills so that synchronous class time can be spent on answering questions and problem solving. The course will cover one textbook section per synchronous class. Students will have summative assessments on a unit basis (there are 3 units). Formative assessments after each chapter section will provide students with feedback on what to practice.

Prerequisites: PreCalculus

### **Calculus Based Statistics / MAT700 / FY**

Calculus Based Statistics is an advanced level course for those who have successfully completed a semester of differential and integral calculus as a prerequisite. In order to succeed in this course, students must have exceptional mathematical, analytical, and problem-solving skills. This is a full year course, consisting of 30 synchronous sessions. Each session will have approximately 2-3 hours of corresponding asynchronous material. This material will help students develop skills so that synchronous class time can be spent on answering questions and problem solving. The class moves at a fast pace. We will be covering a total of 10 chapters, averaging one chapter every 3 synchronous sessions. Students will take summative assessments on a unit basis, and there will be a formative assessment in each module.

Prerequisites: Calculus (B or above)

### **Advanced Topics in Calculus AB / MAT720 / FY**

Advanced Topics in Calculus AB is an advanced level course for those who have successfully completed an advanced or accelerated pre-calculus class. In order to succeed in this course, students must have exceptional problem solving abilities and a clear understanding of functions and function behavior. This is a full year course, consisting of 30 synchronous sessions. Each session will have approximately 1-2 hours of corresponding asynchronous material. This material will help students develop skills so that synchronous class time can be spent on answering questions and problem solving. The class moves at a fast pace. We will be covering a total of 7 chapters, averaging one chapter every 5 synchronous sessions. Students will take summative assessments on a unit basis (there are 3 different units). There will be formative assessments for each of 8 AP units. The formative assessments will feature questions from previous AP exams and will serve as a way to gauge performance and competency in accordance with AP standards. The pace of coverage of the course is designed to allow interested students the opportunity to take the AP Exam in Calculus AB, but that is not a requirement of the course.

Prerequisites: PreCalculus (B or above), Honors PreCalculus (C or above).



### **Advanced Topics in Statistics / MAT520 / FY**

Advanced Topics in Statistics is a full year, advanced level course. The course moves at a consistent pace of roughly one chapter section per synchronous class. Students will be assigned asynchronous assignments prior to each class that will introduce the material so that synchronous sessions can focus on discussion and problem solving. Students will have 12 formative assessments with feedback for each textbook chapter and 3 larger summative assessments. Students are expected to complete all of the asynchronous work before each class session and make use of the reflections and post-session assignments.

Prerequisites: PreCalculus (B or above), Honors PreCalculus (C or above)

### **Calculus / MAT600 / FY**

Calculus is an intermediate level course for those who have successfully completed a pre-calculus class. In order to succeed in this course students must have strong problem solving abilities and a clear understanding of functions and function behavior. This is a full year course, consisting of 30 synchronous sessions. Each session will have approximately 1 hour of corresponding asynchronous material. This material will help students develop skills so that synchronous class time can be spent on answering questions and problem solving. The course will cover one textbook section per synchronous class. Students will have summative assessments on a unit basis (there are 3 units). Formative assessments after each chapter section will provide students with feedback on what to practice.

Prerequisites: PreCalculus

### **Calculus Based Statistics / MAT700 / FY**

Calculus Based Statistics is an advanced level course for those who have successfully completed a semester of differential and integral calculus as a prerequisite. In order to succeed in this course, students must have exceptional mathematical, analytical, and problem-solving skills. This is a full year course, consisting of 30 synchronous sessions. Each session will have approximately 2-3 hours of corresponding asynchronous material. This material will help students develop skills so that synchronous class time can be spent on answering questions and problem solving. The class moves at a fast pace. We will be covering a total of 10 chapters, averaging one chapter every 3 synchronous sessions. Students will take summative assessments on a unit basis, and there will be a formative assessment in each module.

Prerequisites: Calculus (B or above)

### **Advanced Topics in Calculus AB / MAT720 / FY**

Advanced Topics in Calculus AB is an advanced level course for those who have successfully completed an advanced or accelerated pre-calculus class. In order to succeed in this course, students must have exceptional problem solving abilities and a clear understanding of functions and function behavior. This is a full year course, consisting of 30 synchronous sessions. Each session will have approximately 1-2 hours of corresponding asynchronous material. This material will help students develop skills so that synchronous class time can be spent on answering questions and problem solving. The class moves at a fast pace. We will be covering a total of 7 chapters, averaging one chapter every 5 synchronous sessions. Students will take summative assessments on a unit basis (there are 3 different units). There will be formative assessments for each of 8 AP units. The formative assessments will feature questions from previous AP exams and will serve as a way to gauge performance and competency in accordance with AP standards. The pace of coverage of the course is designed to allow interested students the opportunity to take the AP Exam in Calculus AB, but that is not a requirement of the course.

Prerequisites: PreCalculus (B or above), Honors PreCalculus (C or above).



## **Advanced Topics in Calculus BC / MAT740 / FY**

Advanced Topics in Calculus BC is an advanced level course for those who have successfully completed an advanced or accelerated pre-calculus class. In order to succeed in this course, students must have exceptional problem solving abilities and a clear understanding of functions and function behavior. This is a full year course, consisting of 30 synchronous sessions. Each session will have approximately 1-2 hours of corresponding asynchronous material. This material will help students develop skills so that synchronous class time can be spent on answering questions and problem solving. The class moves at a fast pace. We will be covering a total of 10 chapters, averaging one chapter every 3 synchronous sessions. Students will take summative assessments on a unit basis (there are 4 different units). There will be formative assessments for each of 10 AP units. The formative assessments will feature questions from previous AP exams and will serve as a way to gauge performance and competency in accordance with AP standards. The pace of coverage of the course is designed to allow interested students the opportunity to take the AP Exam in Calculus BC, but that is not a requirement of the course.

Prerequisites: PreCalculus (A or above), Honors PreCalculus (B or above).

## **Multivariable Calculus / MAT800 / Semester**

This semester-length course will seek to cover 4 chapters, each with about 6 subsections for a total of 24 sub sections. In this semi-flipped classroom, students will learn and practice skills before synchronous sessions; synchronous sessions will focus primarily on the understanding of the material and applications. Students will complete two homework assignments per synchronous session on Pearson MyLab. The first homework, to be done prior to the synchronous session, focuses on skills. The second homework, to be done following the synchronous session, focuses on applications and communication. Students will be assessed on the skills from each chapter. The assessments will test mastery of computation, communication, and applications. Students taking this course are expected to have a strong mathematical background and to have taken the equivalent of BC Calculus. The class will challenge students to think critically about application problems. Prior knowledge of differentiation, integration, maximization/minimization, parametric equations etc. of one variable problems is required.

Prerequisites: Calculus (B or above)

## **Linear Algebra / MAT820 / Semester**

This semester-length course will cover five chapters, each with approximately six sub sections for a total of twenty four subsections. In this semi-flipped classroom, students will learn and practice skills before synchronous sessions; synchronous sessions will focus primarily on the understanding of the material and applications. Students will complete two homework assignments per synchronous session on Pearson MyLab. The first homework, to be done prior to the synchronous session, focuses on computations. The second homework, to be done following the synchronous session, focuses on conceptual understanding and communication. Students will be assessed on the skills from each chapter. The assessments will test mastery of computation, communication, and applications. Students taking this course are expected to have a strong mathematical background and have taken the equivalent of BC Calculus. The class will push students to think critically about conceptual problems and prior knowledge of vectors will be of use but not required.

Prerequisites: Calculus (B or above)

# Writing and Literature

## **Social Justice for All / ENG060 / FY**

This sixth grade English course is designed to build student reading, writing, grammar, and analytic skill sets. Critical thinking and speaking and listening skills will be at the forefront of all course work. Assessments will consist of formative and summative assignments designed to target and strengthen these skill sets.

The course is divided into three core units. Each module explores one novel and a mix of poetry. Scaffolds are provided throughout each module to help develop an analytical and critical eye toward literature, as students expand their understanding of writing strategies and techniques. Identity, culture, and perspective will be key themes – all of which dovetail to larger issues that explore various aspects of social justice.

## **Exploring Self and Society through Literature / ENG070 / FY**

This 7th Grade English course is designed to develop student critical and analytic skill sets, with a core focus on reading and writing. Students will delve into a variety of literary genres while exploring the central theme of self and society. Specifically, students will investigate how one's sense of self is formed and shaped through interactions with others, and how this central theme is revealed in stories and in storytelling. Students will begin to grapple with literary criticism in small chunks, with the opportunity to incorporate their ideas into longer process papers. The goal is for students to become sophisticated writers and readers who make inferences, draw connections, and appreciate texts.

## **Storytelling / ENG100 / FY**

This yearlong course establishes essential skills for students beginning their study of English literature. Students start with an exploration of the history of storytelling, examining historical modes of transmitting knowledge and sharing cultural experiences. The early stages of the course presents learners with unique opportunities to engage with different types of narratives and gain a clear understanding of how these varied forms function. Then we progress through character study and analyze the different ways readers come to understand people via the act of reading literature. Students will practice the fundamentals of sound writing, beginning with clear sentence structures, moving into logical argumentation, and finishing with paragraph formation. Creative writing projects will allow students to explore their imaginations and approach critical understanding from another perspective. The course also delivers an introduction of basic literary terms and encourages close-reading. Using a variety of discussion modes, such as Socratic dialogue and the Harkness method, we will practice using examples from the text to build interpretations. Students will leave the course confident in their voice and opinions about literature, they will also have stronger reading, writing, speaking, and collaboration skills.

## **The Power of the Pen / ENG080 / FY**

This eighth grade English course is designed to build student reading, writing, grammar, and analytic skill sets. Critical thinking and speaking and listening skills will be at the forefront of all course work. Assessments will consist of formative and summative assignments designed to target and strengthen these skill sets. The course is divided into three core units. Each module explores one novel and a mix of poetry. Scaffolds are provided throughout each module to help develop an analytical and critical eye toward literature, as students expand their understanding of writing strategies and techniques. Identity, culture, and perspective will be key themes – all of which dovetail to larger issues that explore various aspects of social justice.

### **Classic and Contemporary Literature / ENG200 / FY**

This year-long English course works to create a foundation for students in the skills of high-school-level literary inquiry across a wide range of material, from short stories to a novel to poetry to a play. Beginning with developing students' reading strategies and centering close attention to textual details, the course then emphasizes the dispositions required for effective student-centered Harkness discussion and the writing process underlying clear and concise expressions of students' analytical understanding. The course also asks students to represent their grasp of an author's content and form through a series of creative responses to texts. Throughout the course, students are required to think critically as they generate their own questions, reflect constantly upon their own strengths and areas of development, and develop an appreciation for the value of careful, sustained reading, incisive and well-articulated analytical writing, and informed, elevated critical discourse. Successful students will complete the course comfortable with and valuing the skills of a literary scholar and prepared to lead their peers in their next English classes across the fields of reading, writing, discussion, and metacognition.

Prerequisites: None

### **Honors Classic and Contemporary Literature / ENG210 / FY**

This year-long honors level English course works to create a foundation for students in the skills of high-school-level literary inquiry across a wide range of material, from short stories to a novel to poetry to a play. Beginning with developing students' reading strategies and centering close attention to textual details, the course then emphasizes the dispositions required for effective student-centered Harkness discussion and the writing process underlying clear and concise expressions of students' analytical understanding. The course also asks students to represent their grasp of an author's content and form through a series of creative responses to texts. Throughout the course, students are required to think critically as they generate their own questions, reflect constantly upon their own strengths and areas of development, and develop an appreciation for the value of careful, sustained reading, incisive and well-articulated analytical writing, and informed, elevated critical discourse. Successful students will complete the course comfortable with and valuing the skills of a literary scholar and prepared to lead their peers in their next English classes across the fields of reading, writing, discussion, and metacognition.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: B or higher in ENG100

### **American Literature / ENG300 / FY**

This year-long regular-level American literature course will introduce students to classic texts by American authors from the 1840s through the present day. Students will move at a relatively standard pace through the material and be assessed via frequent shorter homework assignments, in-class discussions and activities, and more challenging longer essays and creative pieces. Students interested in the course should expect a robust yet manageable experience of a number of widely read and beloved works of American literature and to create their own works of both analytical and creative literature throughout the class.

Prerequisites: None

### **Advanced Topics in Language & Composition / ENG420 / FY**

According to the College Board, "An AP English Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres." For example: memos, letters, advertisements, political satires, personal narratives, scientific arguments, cultural critiques, research reports.

Prerequisites: B or higher in ENG200 or C or higher in ENG210

### **Advanced Topics in Literature & Composition / ENG620 / FY**

Advanced Topics in Literature and Composition is a full year (30 synchronous sessions) advanced level course. While not a requirement, the course is designed to allow interested students the opportunity to take the AP Literature and Composition Exam. This class focuses on the skills of active reading, critical thinking, and persuasive, concise writing. Students will be asked to explore texts' language and structure as well as texts' broader meanings and will be expected to guide discussions based on their observations and insights. The AP Literature test emphasizes close literary analysis of fiction, poetry, and drama from various time periods and cultures. This class prepares students for the AP exam's multiple choice section and free response essays through the reading of novels, drama, and shorter works - including essays, short stories, and poems — and through the writing of expository, analytical, argumentative essays. Readings are centered around the themes of home and family; rebellion and conformity; identity and culture; and war and peace - themes that are not only helpful in preparing students for the exam but that also ask students to consider their own and others' experiences in the world around them.

Prerequisites: B or higher in ENG200 or C or higher in ENG210

### **Creative Writing / ENG520 / Semester**

"Once upon a time . . . " Among our earliest memories are stories: stories told and read to us, stories we read and tell. We share stories to help identify who we are and to discover who we wish to be. Creative writing is a workshop class. Most simply, this means that everyone writes, everyone shares their writing, and everyone helps others become better writers. In this class, we are all teachers. Through journaling and drafting, through critique and revision, we become better writers. Through reading and discussing each other's work, we also become better readers and clearer speakers. We will explore story elements including characters and characterization, setting, conflict, plot, and point of view. We will also read many published works that model these elements.

Prerequisites: None

### **When the Whistle Blows: Examining Sports, Society, and Literature / ENG530 / Semester**

Sports Literature is an upper level elective course that explores the intersection of sports, literature, and modern culture. In the course, students will examine how sports serve as a landscape for narrative and in turn, what role sports play in modern society. We will look closely at how sports intersects with race, gender, LGBTQ+, and politics, and discuss what social responsibility athletes have. The course runs over 15 sessions and moves through short stories, poems, essays, and film to explore what draws us to stories of athletics. Students will be assessed through both creative and analytical writing, discussion, and presentations.

Prerequisites: None

### **Contemporary Literature / ENG540 / Semester**

In this semester course, students study contemporary literature. Students will explore works of literature as pieces of art, considering questions about literary structure, character development, themes, and authorial choices. Students will also explore how these works of literature represent larger cultural questions, societal values, and human experiences. Many context readings will supplement core texts. Students will write frequent responses and reflections, will engage in synchronous discussions, and will be assessed on analytical essays.

Prerequisites: None

### **Play and Protest / ENG510 / Semester**

In this semester course, students study works of drama published in the 21st Century. Students will explore the plays as pieces of art, considering questions about set and set design, historical and social context, dialogue, character development, themes, performance, stagecraft, dramatic structure, and authorial choices. Students will also explore how these works of literature represent larger cultural questions, societal values, and human experiences. Many contextual materials will supplement the core texts, with spoken and performed pieces playing the centermost supporting roles, given the nature of the course. Students will write frequent responses and reflections, present their ideas, engage in discussions, and be assessed via analytical essays and dynamic dialogue aimed at accomplishing meaningful exchange with peers and their instructor.

Prerequisites: None

### **Words: Traded, Whispered, Roared / ENG550 / Semester**

This semester-long English course takes students on a tour of classic, modern, and contemporary poetic greatness. We will lay down a strong foundation in this high school-level poetry course by reading and analyzing works by an eclectic crew of mentor poets. Standing on that bedrock of understanding, we will borrow poetic tools from these literary masters in order to build our own works of poetry, often following the structural blueprints rolled out before us, yet always leaving space to innovate and push the boundaries. We will begin with the fundamental question “Why poetry?” From there, we will develop critical vocabulary for thinking about poetry, learn close-reading skills, and practice putting the art we see into action. In this moderately-paced course, students will receive warm introductions to a revolving door of poets and their diverse poetic forms, all the while receiving intimate guidance on how to interject their own unique voices into the ever-evolving conversation. Students will reach deeper understandings through analytical assignments and class discussions, as well as through creative projects that they will present and publish throughout the course.

# History and Philosophy

## **Middle School History 1: Case Studies in Power, Creativity, and Divinity / HIS060 / FY**

This 6th-grade level full-year course is designed for middle school students studying world history up to 1500 CE, or right before the start of the modern era. The course is structured thematically around the main themes of power, divinity, and creativity, moving chronologically through six modules that each cover a case study within our three regions of focus: Oceania, Asia, and Africa. This approach challenges students to compare and contrast how power, divinity, and creativity have universally shaped the world, while differentiating these themes between different regional and cultural contexts. Each module will culminate in a written or oral assessment asking students to synthesize the unit's themes. For one assessment per trimester, students must compare and contrast two of these case studies.

## **Middle School History 2: Case Studies in Power, Creativity, and Divinity / HIS070 / FY**

MS History 2: Case Studies in Power, Creativity, and Divinity is a 7th-grade level full-year course. The course is structured thematically around the main themes of power, divinity, and creativity, moving chronologically through nine modules that each cover a case study within our three regions of focus: the Middle East, Europe, and South and Central America. This approach challenges students to compare and contrast how power, divinity, and creativity have universally shaped the world, while differentiating these themes between different regional and cultural contexts. Each module will culminate with a written or oral assessment asking students to synthesize the unit's themes. For at least one assessment per trimester, students must compare and contrast two of these case studies.

## **We the People: A Study of Citizenship in the United States / HIS080 / FY**

This full-year course (45 synchronous sessions) moves chronologically through American history from 1776 to present day and is structured around the primary theme of citizenship. During each of the nine modules, students will be challenged to explore this central question: "How has 'We the People' expanded and contracted?" This approach challenges students to consider how America simultaneously fulfills and falls short of its founding ideals. Successful students will be able to reckon with the original and ongoing contradictions baked into America's leaders and laws. Each module will culminate with a written or oral assessment asking students to explain a) who the "We" included and excluded and b) how the promise of citizenship unfolded in theory and in practice. We are striving for complexity rather than simplicity. By the end of the course, students will have practiced their reading, thinking, and expressing skills necessary to flex their own citizenship muscles within the ever more complex future in front of us.

## **World History and Philosophy / HIS100 / FY**

Why do human beings run the world? To what degree are people products of their history? What themes and ideas constitute the modern world? While investigating these questions students will develop their literacy and historical thinking skills while simultaneously exploring the major themes of world history. The course begins in the present and works backwards. Students will explore the modern technological revolution, the industrial revolution, the agricultural revolution, and the cognitive revolution. Students will analyze the extent to which these events were turning points in the human story while also exploring how to understand and grapple with many of the essential questions of World History. Students will leave the course with a solid foundation in historical thinking skills and a greater appreciation for the complexity of the human past.

Prerequisites: None

## **United States History / HIS200 / FY**

In U.S. History, students explore the significant events, people, themes, turning points and processes that shaped the development of the United States of America. The course draws extensively on foundational primary and secondary texts, as well as a vast array of other engaging resources, in order to promote a deeper understanding of America. Students will build historical knowledge, develop and hone historical methods, and begin to create complex historical narratives and analysis to help them decipher America's rich, complicated history. In doing so, they will glean a greater understanding of the role of America in the world, and the role of the world in America. The class begins in 1491 and ends with the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides ample opportunities for students to develop and demonstrate their literacy, critical reasoning, and discussion skills.

Prerequisites: None

## **Honors United States History / HIS210 / FY**

In Honors U.S. History, students explore the significant events, people, themes, turning points and processes that shaped the development of the United States of America. The course draws extensively on foundational primary and secondary texts, as well as a vast array of other engaging resources, in order to promote a deeper understanding of America. Students will build historical knowledge, develop and hone historical methods, and begin to create complex historical narratives and analysis to help them decipher America's rich, complicated history. In doing so, they will glean a greater understanding of the role of America in the world, and the role of the world in America. The class begins in 1491 and ends with the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides ample opportunities for students to develop and demonstrate their literacy, critical reasoning, and discussion skills.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: World History and Philosophy (B or above)

## **Advanced Topics in United States History HIS220 FY**

This is an advanced level full-year course (30 synchronous sessions) designed for students who have established background knowledge in U.S. history. The course is structured thematically rather than chronologically, moving at a fast pace through six modules that each cover an essential topic across the scope of American history. This design challenges students to understand how themes like colonialism, race, rights, expansion, and capitalism have constantly shaped U.S. history, but have also changed in different eras. Each module will culminate with a final written or oral assessment asking students to synthesize the unit's topic across a long scope of history.

Prerequisites: United States History (B or above), Honors United States History (C or above)

## **World History HIS300 FY**

Blending content and knowledge acquisition and retention with the development of an array of historical thinking skills, this course aims to expose students to major themes of world history spanning ancient times, the middle ages, and the modern era.



Students will grapple with many of the essential questions of World History and leave with a greater appreciation for the complexity of the human past.

**Prerequisites: None**

### **Honors World History / HIS310 / FY**

Blending content and knowledge acquisition and retention with the development of an array of historical thinking skills, this full year (30 synchronous sessions) or semester (15 synchronous sessions) honors-level course aims to expose students to major themes of World History spanning ancient times, the middle ages, and the modern era. Students will grapple with many of the essential questions of World History and leave with a greater appreciation for the complexity of the human past. Students are offered learning opportunities that emphasize critical analytical, synthesis, and evaluation skills. The rigorous coursework aims for students to feel empowered to excel at a higher level with free and open written and verbal response questions focusing on document-based writing, contrasting opposing viewpoints, and interpreting historical documents. Through this process, students will learn to connect and identify larger trends in world history, such as continuity & change, causation, context, and turning points.

Prerequisites: B or above in previous history course, C or above in previous honors or advanced history course.

### **Advanced Topics in Modern World History / HIS320 / FY**

Blending content and knowledge acquisition and retention with the development of an array of historical thinking skills, this course aims to expose students to Modern World History from a variety of themes that will overlap several periods of history, starting with globalization on the high seas and continuing to the Covid-19 pandemic. Students will grapple with many of the essential questions of World History and leave with a greater appreciation for the complexity of the human past.

Prerequisites: B or above in previous history course, C or above in previous honors or advanced history course.

### **Advanced Topics in European History / HIS720 / FY**

This is an advanced level full-year course (30 synchronous sessions) designed for students who have established background knowledge in European history. The course is structured thematically rather than chronologically, moving at a fast pace through six modules that each cover an essential topic across the scope of European History. This design challenges students to understand how themes like politics, economics, culture, and technology, war, and revolution, have constantly shaped European history, but have also changed in different eras. Each module will culminate with a final written or oral assessment asking students to synthesize the unit's topic across a long scope of history.

Prerequisites: B or above in previous history course, C or above in previous honors or advanced history course.

### **United States Government / HIS600 / FY**

This course will familiarize students with the foundations of the American Government and key aspects of the U.S. Constitution. Students will read primary and secondary sources to examine how the American Republic was designed and how it operates today. By studying the Constitution, Bill of Rights, Federalist Papers, political parties, and electoral processes, students will be equipped with the background knowledge necessary to analyze how American Government both shapes and is shaped by current developments in the U.S. and around the world. The second half of the course will focus on the modern political process, examining various influences on domestic policies. The course will culminate with students writing a policy memo where they analyze and recommend changes to a current policy or

## **Advanced Topics in United States Government & Politics / HIS620 / FY**

This full-year advanced level course explores the relevancy of American Government, its policies and procedures, and the execution, enforcement, and interpretation of laws, as they align with the intent of the United States Constitution. The content of this course spans from foundational knowledge to application of learned concepts to the execution of the rule of law throughout history to modern America. Students are expected to conduct close reading, attentive note-taking, and relevant research of reliable sources. Students are assessed with unit quizzes, free response essays, document-based questions, and sample multiple choice questions.

Prerequisites: B or above in previous history course, C or above in previous honors or advanced history course.

## **Microeconomics / HIS400 / Semester**

This semester course seeks to give students an introduction to the core microeconomic principles to understand decisions made by consumers (like you and me) and producers (businesses). Over the course of 15 synchronous hours and additional asynchronous work, students will develop an economic lens, grounded in real world application. First, students will uncover the major microeconomic principles and define the basics of major models (e.g., opportunity cost, demand and supply). Secondly, students will learn how to use these models to describe the rationale for decisions around them.

Specifically, this course will delve into the following topics: incentives, supply and demand, market failures, and game theory. This course is fast paced and will require a strong foundation in algebra (Algebra 2) to understand each of the models' components, and the ability to stay on track with reading and assignments with little oversight. Students will be assessed with papers and assessments. If students are successful in this course, they are eligible to take advanced microeconomics.

Prerequisites: Algebra 2

## **Advanced Topics in Microeconomics / HIS420 / Semester**

Prerequisites: B or above in previous history course, C or above in previous honors or advanced history course.

This advanced course seeks to give students a comprehensive understanding of the core microeconomic principles to understand decisions made by consumers (like you and me) and producers (businesses). Over the course of 30 synchronous hours and ~80 asynchronous hours, students will develop an economic lens grounded in math, data, and modeling to use and apply to the world around them. First, students will uncover the major microeconomic principles and define the basics of major models (e.g., opportunity cost, demand and supply, competition models). Second, students will learn how to use these models to describe the rationale for decisions around them. Last, students will learn how to use all the tools in the class to predict decision making grounded in models, graphs, and data.

Specifically, this course will delve into the following topics: supply and demand, production decisions, perfect competition, imperfect competition, and market failure. This course is fast paced and will require a strong foundation in algebra (Algebra 2) to understand each of the model's components, and the ability to stay on track of reading and assignments with little oversight. Students will be assessed with quizzes, problem sets, and papers. While not the intent of the course, students will go over all content included on the AP Microeconomics exam.

Prerequisites: Prerequisites: Algebra 2 (B or above)

## **Microeconomics/Macroeconomics Full Year Sequence / HIS450 / FY**

This year-long course seeks to give students an introduction to the core microeconomic and macroeconomic principles to understand decisions made by consumers (like you and me) and producers (businesses).

Over the course of 30 synchronous hours and additional asynchronous work, students will develop an economic lens, grounded in real world application. Students will uncover the major microeconomic principles and define the basics of major models (e.g., opportunity cost, demand and supply). Students will then uncover the major macroeconomic principles and define the basics of major models (e.g., circular flow, GDP). Finally, students will learn how to use these models to describe the microeconomic and macroeconomic changes in the world around them.

Specifically, this course will delve into the following topics: incentives, supply and demand, market failures, game theory, supply and demand, business cycles, national income, unemployment, and stabilization policies. This course is fast paced and will require a strong foundation in algebra (Algebra 2) to understand each of the models' components, and the ability to stay on track with reading and assignments with little oversight. Students will be assessed with papers and assessments. If students are successful in this course, they are eligible to take advanced microeconomics.

Prerequisites: Algebra 2

## **Revolutions: From Rebellion to Independence / HIS530 / Semester**

This semester-long course explores the political, social, and economic factors of global revolutions. Students will examine key events and actions taken in specific revolutions and will engage in critical comparisons across regions to understand global patterns of change and resistance. Students will learn through readings, videos, and a range of source analyses throughout the course. This course is designed to develop historical thinking skills, such as critical thinking, source analysis, and writing skills. With a focus on engagement and interactive learning, students are encouraged to self-reflect and participate actively. Students will be assessed using a variety of methods, including written assignments, reflections, and discussions.

At the end of this course, students should be able to:

- Synthesize information from a range of sources
- Craft well-organized analytical writing pieces that argue clear ideas using evidence
- Evaluate cause, effect, and significance of global revolutions
- Participate in class discussions and debates, responding thoughtfully and using evidence
- Understand the long-term impacts of revolutions and how they have shaped global political, social, and economic change
- Compare historical revolutions to current movements

## **Economics and Finance / FIN100 / Semester**

This course seeks to give students a well-rounded understanding of the different areas of personal finance so they can make informed decisions as they learn to plan for the future, invest in a diversified portfolio to ensure that future, and develop the tools to take full responsibility for their financial decisions.

Over the course of 15 synchronous hours and ~45 asynchronous hours, students will develop skills and gain knowledge important to the basics of financial decision making. Students will understand the basics of money and credit management. Students will learn how to make different types of consumer decisions. Students will learn how to make investment decisions grounded in research and data.

The specific course topics are as follows: Planning and managing your personal finances, making purchasing decisions, understanding all of your financial resources, investing your financial resources in a diversified portfolio, and controlling your financial future. This course is fast paced and will require the ability to read charts and reports with many lines of granular detail and the ability to stay on track of reading and assignments independently. Students will be assessed with quizzes, problem sets, and papers. Synchronous sessions will be used for discussion and oral formative assessments as well as answering clarifying questions from students. It is imperative that students come prepared with the preassigned asynchronous work already completed.

**Prerequisites: None**

# Science

## Biology / BIO200 / FY

Biology follows an engaging storyline driven by three central questions relating to the study of life:

### *Module 1: How did life evolve?*

Beginning with a robust exploration of the scientific method, the process of generating new knowledge in science is applied and practiced. By first exploring the nuances of the scientific method and how scientific research is performed, students gain an early ability to apply basic skills of experimentation and data analysis. A discussion of the theorized origin of life is followed by a survey of the biodiversity present on prehistoric and modern-day Earth. To fully appreciate this biodiversity and its molecular meaning, we identify the atomic building blocks of life and the myriad biochemical reactions required to organize and maintain cells. Diversity of cell types, sizes, and structures are closely studied, followed by applied demonstration of how surface area-to-volume ratios restrict cell size. The evolution of cells and multicellularity is examined before analyzing mechanisms of cell division and what happens when these mechanisms fail.

### *Module 2: How is life sustained?*

Photosynthesis and cellular respiration are explored within the framework of trophic structures within ecosystems, examining the extraction and transfer of the sun's energy within trophic webs. Cellular respiration is contextualized in the digestive, respiratory, and excretory systems, which maintain the complex chemical pathways governing energy input and waste output. Our understanding of metabolism is deepened through discussion of energetic demands on cells, energy sources, and mechanisms for energy transfer. Pollution and other human activities are closely examined, exploring climate change, climate justice, and conservation as the central pillars of modern-day ecosystem stability. The complex interactions between organisms and their environment are explored in order of biological hierarchy, beginning with how Earth's geography contributes to biodiversity and ending with cell-to-cell communication in the reproductive system. Cell division is revisited as we explore how meiosis is used as a means of sexual reproduction. Various reproductive strategies and associated evolutionary advantages and disadvantages are analyzed and highlighted in regional contexts.

### *Module 3: How does life change over time?*

Genetics and evolution are intricately overlapping fields of biology. The structure, function, and inheritance of DNA are discussed in detail as we evaluate how DNA stores genetic information to build an organism, how variations in genes set the stage for evolution, and how natural selection dually contributes to adaptation and extinction. The central dogma of biology reveals a core tenant of the field: DNA is copied to produce RNA, which is read and translated to build a phenotype; genotypes dictate phenotypes, which dictate adaptation. Mutations are discussed as the singular mechanism by which new genes evolve and alter genetic diversity in a population. The discovery of heritable material in the form of chromosomes revolutionized our understanding of genetics and how traits are inherited, paving the way for research on subjects in genetics ranging from disease treatments to cloning. The complex mechanisms of DNA replication and eukaryotic gene expression are analyzed and used to model how genotypes and associated traits change in a population over time.

Prerequisites: None

## **Honors Biology / BIO210 / FY**

Honors Biology is an honors-level course that follows an engaging storyline driven by three central questions relating to the study of life:

Module 1: How did life evolve?

Module 2: How is life sustained?

Module 3: How does life change over time?

Asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: B or above in previous science course, C or above in previous honors level science course.

## **Advanced Topics in Biology / BIO420 / FY**

Advanced Topics in Biology is a full year (30 synchronous session) advanced high school course covering biology topics commonly encountered in a first year introductory college course. Similar to an introductory college level course, the pace is fast. Students can expect to spend no more than 1-2 lessons on each chapter. This places a premium on advance preparation and textbook reading. Students are primarily assessed through a mixture of short pre- and post-class quizzes, a collection of online Pivot labs and a set of open-ended, free response questions at the end of each unit. The course is strong preparation for any high school student preparing to take two semesters of introductory biology in college.

Prerequisites: B or above in previous science course, C or above in previous honors level science course.

## **Biology of Covid / BIO400 / Trimester**

Biology of the Covid Pandemic is an advanced honor-level elective that uses an in depth understanding of SARS-CoV-2, presently dominating the world stage, to cement complex biological concepts.

Prerequisites: Biology (B or above)

## **"The Molecular Biology of Cancer: Cells that Live Forever / BIO500 / Semester**

The Molecular Biology of Cancer: Cells that Live Forever is a semester-length class. Students will study molecular biology and cell biology, diving into an exploration of DNA, protein biochemistry, and genetic engineering. Students will also be introduced to the Immortal Cells of Henrietta Lacks.

Prerequisites: Biology (B or above)

### **Advanced Science Writing / BIO600 / Semester**

Advanced Science Writing is a semester-length class. Students will master the form, function, and structure of Scientific Writing. This writing intensive course teaches students to master the different components of scientific papers as well as hones their critical thinking, discussion, and presentation skills.

Prerequisites: B or above in previous Advanced Topic or Honors level science course.

### **Chemistry / CHM300 / FY**

This full-year course is an introduction to chemistry. This course is targeting a regular-level experience. We intend to take many small bites out of a very large apple. There will be brief assignments given daily that will allow both introduction and practice with key concepts. The topics grow upon themselves, slowly building up to more complex and abstract ideas. By then, the skills and habits developed will make material that initially appears challenging become quite manageable in practice.

Prerequisites: None

### **Honors Chemistry / CHM310 / FY**

This full-year course is an introduction to chemistry taught at the honors level. We begin by exploring the fundamentals of matter and considering the atoms and molecules that are the building blocks of all the matter that surrounds us. We will then spend time considering electrons, the driving force of most of this course. After that we begin studying actual chemical reactions and will learn to predict their outcomes both qualitatively and quantitatively. We will then consider the energy changes that accompany the varying processes we will have studied and will revisit the fundamentals of matter through examination of the properties of gasses, liquids, solids, and mixtures of various phases of matter. We will conclude by applying the knowledge we have gained to explore real world applications of chemistry involving equilibrium, acids and bases, electrochemistry and nuclear chemistry.

Formative assignments will prepare students for and follow each of our 30 synchronous sessions, allowing both introduction to and practice with key concepts. Multiple lab activities give students the opportunity to further explore and apply material. Summative assessments will include both written tests and labs.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: B or above in previous science course, C or above in previous honors level science course.



### **Advanced Topics in Chemistry / CHM320 / FY**

This full-year (30 synchronous sessions) Advanced Topics Chemistry course is designed to be taken after an introductory course in chemistry. The pace of coverage of the course is designed to allow interested students the opportunity to take the AP Exam in Chemistry, but that is not a requirement of the course. There is the assumption that students already have a solid background in chemistry topics. For students needing a review of previous topics, videos and practice questions and problems will be provided to bring their understanding up to speed.

Topics are presented primarily through video and the occasional reading. Mastery of concepts will be developed through practice problems, online laboratory activities, and formative assessment. Additional practice with AP questions and problems will be available through optional extension assignments. Mastery of material will be assessed at the end of each unit or two.

Many of the early topics will be familiar from an introductory chemistry course, but they will be explored in more depth. Other topics will be completely new. We begin with a discussion of reactions in solution including net ionic equations and redox chemistry. We then move to Kinetics (the study of rates of reactions). This is followed by Equilibrium chemistry, including gaseous equilibria, acid-base equilibria, and solubility equilibria. We finish with a study of thermochemistry, thermodynamics, and electrochemistry.

Prerequisites: B or above in Chemistry, C or above in previous Honors Chemistry

### **Environmental Science / ENV400 / FY**

This class will cover major interdisciplinary environmental topics such as human health and disease, biodiversity loss, global climate change, and energy resources with the ultimate goal of application of knowledge versus rote memorization. Because challenges in the real world of environmental science rarely draw upon only one topic or short list of objectives, the challenges in this course will require students to draw from a broader knowledge base. This gives students the opportunity to learn about the same objectives multiple times throughout the course through different contexts and perspectives.

Prerequisites: None

### **Advanced Topics in Environmental Science / ENV420 / FY**

Advanced Topics in Environmental Science is an advanced, yearlong science course that runs for 30 synchronous sessions with accompanying asynchronous work and assessments. This course is meant for students who are curious to learn more about the world around them, understand the positive and negative impacts of their actions, and envision sustainable solutions to address dilemmas resulting from climate change. This course will situate topics within the broader context of our ever-changing planet. Students' attention to learning concepts through asynchronous work will allow them to come to synchronous sessions prepared to work with their teacher to discuss the application of these concepts. Throughout the course, there will be six Summative Assessments in the form of projects that will give students the opportunity to apply their knowledge and practice the skills of scientific process, data literacy, critical thinking, and scientific literacy.

Prerequisites: Environmental Science (B or above), C or above in previous honor or advanced level science course.

### **Conceptual Physics / PHY100 / FY**

Conceptual Physics focuses on learning the fundamental principles of the scientific study of physics. Though there is less of an emphasis on mathematics than in honors physics, mathematical calculation remains integral to the course. Students will develop and hone their mastery of the scientific method while studying topics like Newton's law, linear motion, conservation laws, momentum, energy, thermodynamics, heat, magnetism, particles, and radiation. The course provides students space to investigate, analyze, and think critically about the scientific processes behind movement in the natural world.

Prerequisites: None

### **Honors Physics / PHY110 / FY**

Honors Physics is an advanced algebra-based physics course, designed for students with a strong interest in science, math, and problem-solving looking for a fast-paced and challenging course. It is a full-year course that covers mechanics, electrodynamics, and modern physics over the course of thirty synchronous meetings. The course moves at a fast pace, with three homework assignments and one assessment due every meeting as well as one laboratory assignment every other week. As a prerequisite, students should have completed the equivalent of Algebra II and be comfortable using and solving basic trigonometric functions. Students will be assessed from assessments and labs. The pace of coverage of the course is designed to allow interested students the opportunity to take the AP Exams in Physics 1 and 2, but that is not a requirement of the course. The course is organized into two components, each corresponding to one of the AP exams. Modules 1-5 cover material for the AP Physics 1 exam: mechanics, dynamics, energy and momentum, circular and simple harmonic motion, and sound waves. Modules 6-10 cover material for the AP Physics 2 exam: electrostatics, circuits, magnetism, light and optics, and modern physics. For more comprehensive preparation for the exam, students are encouraged to take the five-meeting long supplement to the course, covering torque and thermodynamics.

Prerequisites: Algebra II (C or above), Conceptual Physics (B or above), Algebra II (B or above) & previous honors level science course (C or above).

### **Advanced Topics In Physics - Mechanics / PHY460 / FY**

Advanced Topics in Physics is a rigorous, full-year, college-level course that covers topics taught in a first-year calculus-based physics class. The course is designed for students who have already taken or are concurrently taking calculus. The first semester focuses on mechanics covering topics such as kinematics, Newton's Laws of motion, work, energy, momentum, rotational motion, and gravitation. The second semester focuses on electricity and magnetism covering topics such as electrostatics, electric circuits, magnetism, and electromagnetic waves. Students will be assessed with a combination of weekly asynchronous assignments, laboratory exercises, summative assessments that include an oral component, and a final. While not a requirement, at the conclusion of this course, students should be prepared to take the AP Physics C: Mechanics and Electricity and Magnetism exams.

Prerequisites: Physics (B or above), Honors Physics (C or above)

### **Advanced Topics In Physics - Electricity and Magnetism / PHY470 / FY**

Advanced Topics in Physics is a rigorous, full-year, college-level course that covers topics taught in a first-year calculus-based physics class. The course is designed for students who have already taken or are concurrently taking calculus. The first semester focuses on mechanics covering topics such as kinematics, Newton's Laws of motion, work, energy, momentum, rotational motion, and gravitation. The second semester focuses on electricity and magnetism covering topics such as electrostatics, electric circuits, magnetism, and electromagnetic waves. Students will be assessed with a combination of weekly asynchronous assignments, laboratory exercises, summative assessments that include an oral component, and a final. While not a requirement, at the conclusion of this course, students should be prepared to take the AP Physics C: Mechanics and Electricity and Magnetism exams.

Prerequisites: Physics (B or above), Honors Physics (C or above)

### **Psychology / PSY600 / Semester**

General Psychology is a course designed to introduce and excite high school students about the study of psychology. In this semester-length course, students will learn about all major areas of psychology. Students will learn to explain behavior and apply theories using concepts from different theoretical frameworks. Students will also learn to analyze, interpret, and evaluate psychological research studies.

Prerequisites: None

### **Advanced Topics in Psychology / PSY620 / FY**

Advanced Topics Psychology is an advanced honors-level course designed to meet the scope and sequence requirements of a college-level introduction to psychology course. In this full year course, students will learn about all major areas of psychology. Students will learn to explain behavior and apply theories using concepts from different theoretical frameworks. Students will also learn to analyze, interpret, and evaluate psychological research studies.

Prerequisites: Psychology (B or above), C or above in previous honor or advanced level science course.

### **Anatomy and Physiology / BIO700 / Semester**

This regular level course will focus on the anatomical makeup of organisms in conjunction with the physiological functionality. The course will mainly focus on human anatomy and physiology, while still incorporating other organisms to be able to compare and contrast the makeup and function. Students interested in science, the study of movement, and biological processes would benefit from this coursework. Students will be assessed through three written assessments and one project, each of which will focus on scientific literacy, data literacy, critical thinking, and scientific process.

Prerequisites: None

# Technology & Engineering

## **Computer Science: Projects in Python / COM200 / FY**

This introductory Computer Science course in Python focuses on developing the foundational Computer Science skills of computational thinking, algorithmic problem solving, and logical troubleshooting through a series of increasingly complex coding projects. Beginning with the basics of algorithms and Python, the course then emphasizes the construction of an ever-evolving “toolbox” of problem solving strategies and Python constructions. Armed with their toolboxes, students are expected to analyze new problems, consider various approaches, and implement/troubleshoot an appropriate solution. As the course progresses into more complex projects, student toolboxes grow, and students are expected to be able to approach all steps of problem solving with increasing independence. Successful students will complete the course comfortably with applying logical problem-solving skills to new problems, and building algorithmic solutions to those problems using the strategies and constructions in their toolboxes. Successful students will also have a portfolio of python programs showcasing both their problem-solving skills and their individual creativity.

Prerequisites: None

## **Honors Computer Science: Projects in Python / COM220 / FY**

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning.

Prerequisites: None

## **Advanced Topics in Computer Science - Projects in Java / COM400 / FY**

In this course students will get familiar with the concepts and tools of computer science as they learn a subset of the Java programming language. They will do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks. The course simultaneously prepares students for the AP Computer Science exam while also focusing on exploring challenging and relevant topics in computer science.

Prerequisites: None

# World Languages

## **French 1 / FRE100 / FY**

French 1 is a full year, regular level course. Students will learn how to read, speak, write, and understand Level 1 French. Students will read and listen to stories from the perspective of students in schools across the world. They will practice conversations between friends, family members, students, and teachers. They will write short answers to reading comprehension questions and also practice writing short emails and social media posts. In each unit of study, students will also learn songs that will help deepen their understanding of grammar and new vocabulary while also providing a taste of French and Francophone music. Students will explore cultural identity, the benefits of travel, how technology connects people, how different cultures spend their leisure time, fashion and beauty ideals across different cultures, and how schools in their country differ from schools in French-speaking countries. Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several francophone countries and there is a cultural component to the unit test. At this level, students will go from writing one word answers to writing basic complete sentences and eventually short paragraphs of 5-10 sentences in length.

Prerequisites: None

## **Honors French 1 / FRE110 / FY**

Honors French 1 is a full year, regular level course. Students will learn how to read, speak, write, and understand Level 1 French. Students will read and listen to stories from the perspective of students in schools across the world. They will practice conversations between friends, family members, students, and teachers. They will write short answers to reading comprehension questions and also practice writing short emails and social media posts. In each unit of study, students will also learn songs that will help deepen their understanding of grammar and new vocabulary while also providing a taste of French and Francophone music. Students will explore cultural identity, the benefits of travel, how technology connects people, how different cultures spend their leisure time, fashion and beauty ideals across different cultures, and how schools in their country differ from schools in French-speaking countries.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several francophone countries and there is a cultural component to the unit test. At this level, students will go from writing one word answers to writing basic complete sentences and eventually short paragraphs of 5-10 sentences in length.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning. Students should also expect their instructor to conduct the majority of synchronous time in the target language.

Prerequisites: (B or above in MS French)

## **French 2 / FRE200 / FY**

French 2 is a full year, regular level course. Students build on their French skills by practicing speaking, reading, writing, and understanding Level 2 French. French 2 learners will explore how travel influences our worldview; how we define our cultural identity; what we can learn from different generations; how the roles of family members differ from country to country; how beauty standards change over time and across cultures; and how healthcare access differs across the world. This course will also investigate the impact of France's colonial history on the world. Students will practice conversations between friends, family members, students, teachers, doctors and patients. They will write answers to reading comprehension questions, emails, social media posts, as well as creative original stories and short analytical paragraphs.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several francophone countries and there is a cultural component to the unit test. At this level, students will go from writing basic complete sentences to writing complex multi-clause sentences and short paragraphs of 10-15 sentences in length.

Prerequisites: French I

## **Honors French 2 / FRE210 / FY**

Honors French 2 is a full year, regular level course. Students build on their French skills by practicing speaking, reading, writing, and understanding Level 2 French. French 2 learners will explore how travel influences our worldview; how we define our cultural identity; what we can learn from different generations; how the roles of family members differ from country to country; how beauty standards change over time and across cultures; and how healthcare access differs across the world. This course will also investigate the impact of France's colonial history on the world. Students will practice conversations between friends, family members, students, teachers, doctors and patients. They will write answers to reading comprehension questions, emails, social media posts, as well as creative original stories and short analytical paragraphs.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several francophone countries and there is a cultural component to the unit test. At this level, students will go from writing basic complete sentences to writing complex multi-clause sentences and short paragraphs of 10-15 sentences in length.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps or parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning. Students should also expect their instructor to conduct the majority of synchronous time in the target language.

Prerequisites: French 1 (B or above), Honors French 1 (C or above)

### **French 3 / FRE300 / FY**

French 3 is a full year, regular level course. Students continue to build on their French skills by practicing speaking, reading, writing, and understanding Level 3 French. French 3 learners will hone their skills while discussing important topics, including: the world of fine arts, what art says about a culture, and how artists use their art to change perspectives; how immigrants are treated across francophone cultures; how geography and climate change impact our lives; how food fits into cultural identity; how access to education varies across cultures; and how to integrate into a new culture while maintaining the roots of one's home culture. Students will practice conversations between friends, family members, students, teachers, artists and museum curators, immigrants, politicians, and journalists. They will write answers to reading comprehension questions, compose emails, social media posts, journal entries, and write creative original stories. They will continue to develop their ability to analyze authentic source materials and present or compare their opinions.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several francophone countries and there is a cultural component to the unit test. At this level, students will continue to write using complex multi-clause sentences and begin to compose longer written work that contains multiple paragraphs. Students will work to finesse their writing so that they can more easily use a wide array of verbs and verb tenses to express themselves.

Prerequisites: French 2

### **French 4 / FRE400 / FY**

French 4 is a full year, regular level course. Students continue to practice speaking, reading, writing, and understanding Level 4 French. At this point in students' language learning, the emphasis is on finessing and mastering the main tenses and grammatical constructions. To further their cultural competency, students will discuss important topics, including: what elements compose a cultural identity; how our personal beliefs can evolve over the course of our lives; how countries respond to global threats and crises; our role as global citizens in the fight against injustice; the evolution of women's roles in various world cultures; the importance of respecting human rights; possible solutions to global issues; the role of ethics in scientific research; how art can mirror life but also incite change; and the ethics of censorship. Students will practice conversations between friends, family members, students and professors, politicians, artists, diplomats, and journalists. They will write answers to reading comprehension questions, compose emails, social media posts, and journal entries, give advice, and write creative original stories. They will continue to develop their ability to analyze authentic source materials and present or compare their opinions in deeper and more detailed writing.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several francophone countries and there is a cultural component to the unit test. At this level, students will continue to write using complex multi-clause sentences and compose longer written work that contains multiple paragraphs. Students will work to finesse their writing so that they can more easily use a wide array of verbs and verb tenses to express themselves. They will work on writing analytical essays that defend a hypothesis and include clear introductions and conclusions.

Prerequisites: French 3



## **Honors French 4 / FRE410 / FY**

French 4 is a full year, regular level course. Students continue to practice speaking, reading, writing, and understanding Level 4 French. At this point in students' language learning, the emphasis is on finessing and mastering the main tenses and grammatical constructions. To further their cultural competency, students will discuss important topics, including: what elements compose a cultural identity; how our personal beliefs can evolve over the course of our lives; how countries respond to global threats and crises; our role as global citizens in the fight against injustice; the evolution of women's roles in various world cultures; the importance of respecting human rights; possible solutions to global issues; the role of ethics in scientific research; how art can mirror life but also incite change; and the ethics of censorship. Students will practice conversations between friends, family members, students and professors, politicians, artists, diplomats, and journalists. They will write answers to reading comprehension questions, compose emails, social media posts, and journal entries, give advice, and write creative original stories. They will continue to develop their ability to analyze authentic source materials and present or compare their opinions in deeper and more detailed writing.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several francophone countries and there is a cultural component to the unit test. At this level, students will continue to write using complex multi-clause sentences and compose longer written work that contains multiple paragraphs. Students will work to finesse their writing so that they can more easily use a wide array of verbs and verb tenses to express themselves. They will work on writing analytical essays that defend a hypothesis and include clear introductions and conclusions.

Prerequisites: French 3 (B or above), Honors French 3 (C or above)

## **Advanced Topics in French / FRE620 / FY**

In Advanced Topics in French, students continue to hone their skills and understanding in French. This course's pace and coverage of material is designed to allow interested students the opportunity to take the AP Exam in French Language and Culture, but that is not a requirement of the course. AT French learners will explore several themes that are relevant to the AP exam and beyond, including: how the roles of family and friends differ across countries; how consumerism affects our lives; how art can both reflect and defy cultural norms and can provide a window to the past; how technology has opened doors to important discoveries and advancements but perhaps also causes us to spend too much of our time in front of screens; how global challenges can unite cultures as we search together for solutions to global warming and equal human rights; and how multiculturalism within a society varies from country to country.

Students will practice conversations between friends, family members, students and professors, politicians, artists, diplomats, and journalists. They will write long and complex answers to reading comprehension questions, compose both formal and informal emails, write social media posts, and journal entries, give advice, and write creative original stories. They will continue to develop their ability to analyze authentic source materials and present or compare their opinions in deeper and more detailed writing.

Students will be assessed on their listening, speaking, reading, and writing assignments both in class and through their homework. Each unit contains formative assessments that allow students to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. At this level, students will continue to write using complex multi-clause sentences and compose longer written work that contains multiple paragraphs. Students will finesse their writing so that they can more easily use a wide array of grammatical constructs and verb tenses to express themselves. They will work on writing and self-correcting analytical essays that defend a hypothesis and include clear introductions and conclusions. This course also includes several practice AP Exams that allow students to demonstrate their wide range of skills in the French language.

Prerequisites: French 4 (B or above), Honors French 4 (C or above)

## **Contemporary French Literature / FRE420 / Semester**

Culture and language are inseparable: they influence and reflect each other, shaping how we see ourselves, others, and the world. Literary works mirror important aspects of the societies in which they originate. The study of language enriches personal, social, and cultural experiences and prepares one to participate more fully as an engaged global citizen.

In this course, students will explore contemporary Francophone culture through literature. The selection of works will vary depending on student interests but may include theater such as *Incendies*, graphic novels like *Persepolis*, or classic novels like Duras' *Amant*. There is an emphasis on 21st-century productions. A typical class will consist of vocabulary review, close readings of select passages, a discussion of the cultural and historical context of the works, and a thematic analysis of a few overarching themes. During asynchronous sessions, students will read, take notes, and review key structures. Online classes are discussion based. Students can expect to engage in conversations about plot and salient themes. Assessments will consist of two papers per trimester exploring a topic selected with the assistance of the teacher.

Prerequisites: Advanced Topics in French (B or above)

## **German 1 / GER100 / FY**

In order to acquire and develop their ability to communicate and understand German at the foundational level, students apply four language skills - listening, speaking, writing, and reading - by exchanging, interpreting, and presenting information in multiple tenses and contexts. Students deepen their understanding of the German language; the ways in which German functions in syntactic, grammatical, visual, aural, and oral models; connect the German language to other relevant disciplines; and expand their use of the German language outside of the classroom in a variety of contexts. Students will acquire the skills to read short novels, write short reading responses, listen and respond in a variety of settings, and successfully complete task-based grammar exercises. Content and supporting language structures and vocabulary will be theme-based, with outcomes measured in several ways, including task-based activities that support effective communication around the theme.

This German language class emphasizes the “5-C’s” of the National Standards on Teaching World Languages.

- Communication: Interpersonal, Interpretive and Presentational (listening, speaking, reading, writing)
- Cultures: Exploration
- Connections to other disciplines and viewpoints
- Comparisons
- Community interaction within and beyond the classroom setting

Prerequisites: None

## **German 3 / GER300 / FY**

German III enables students to develop their ability to communicate and understand German at an intermediate level by applying the four language skills - listening, speaking, writing, and reading - and exchanging, interpreting, and presenting information in multiple tenses and contexts. In this course, students will deepen their understanding of the German language; the ways in which German functions in syntactic, grammatical, visual, aural, and oral modes; and expand their use of vocabulary in a variety of settings. In a two-fold approach, the course will allocate one day to intensive grammar practice and review with task-based exercises involving writing, reading, and listening, and one day to cultural and linguistic enrichment in order to connect the German language to other relevant disciplines. Students will strengthen their reading skills through exposure to short texts, novels, and poetry, and writing skills by submitting in-depth reading responses.

## **German 4 / GER400 / FY**

German IV is the final and most advanced course of the German program at Prestans. In a multifaceted approach, classes consist of advanced grammar practice with task-based exercises, as well as cultural enrichment courses that draw upon German literature, film, and visual arts.

This course is designed to enhance students’ language proficiency by increasing fluency in reading, writing, speaking, and listening, and building on students’ vocabulary. German IV is a foray into the ways in which German interacts with language and cultures around the world. We will work with different forms of media, such as films and magazines, and great works of literature.

In module one, we explore ways to redefine the scope of non-verbal language, emphasizing expressive forms beyond traditional verbal communication, such as through dance or visual arts. For example, through Pina Bausch's 'The Rite of Spring,' we will delve into the narrative potential of gestures, spatial arrangements, and non-verbal cues. In module two, we will explore German literature, film, media, and visual art by native speakers that actively challenge monolingual norms. Exemplified in works of literature by Paul Celan and Ilse Aichinger, students will consider the dynamic, multilingual dimension of German expression, recognizing the powerful role of art in consciously destabilizing and challenging the confines of one's mother tongue. In module three, we will explore works by writers who work in German as a second language. We will explore the unique dynamics and the tension between their mother tongue and German, and delve into how these authors navigate linguistic access reveals rich narrative possibilities.

Students will be assessed through completion of grammar exercises, contribution to in-class discussions, and completing an autonomous learning project of their own.

Prerequisites: German 3

### **Latin 1 / LAT100 / FY**

This year-long regular-level course will introduce students to the Latin language and Roman history, mythology, and culture. Students will learn the intricacies of grammar and sentence structure, develop a thorough working Latin vocabulary, cultivate their English vocabulary through Latin derivatives, and begin to understand how ancient civilization informs our modern world through study of Roman society and culture. Students will move at a relatively standard pace through the material and be assessed via homework assignments, creative research mini-projects, and open-resource tests. This fundamental knowledge learned in this course will be the foundation needed for all further study in Latin.

Prerequisites: None

### **Latin 2 / LAT200 / FY**

Learning Latin helps you learn English and other languages better, and perhaps even more importantly, it offers students the linguistic key to the minds that shaped both the European and American cultures. Latin was the language these people used to express themselves and record their ideas in permanent form across many centuries. This secondary level of the course uses an interactive virtual text titled Subrani. A link to the text is accessible in the learning modules.

Prerequisites: Latin 1

### **Latin 3 / LAT300 / FY**

In this year-long regular-level course, students will continue to study the Latin language and Roman history, mythology, and culture. Over the course of the year, students will finish their study of the fundamentals of Latin grammar with a particular focus on the subjunctive mood. Additionally, students will increase their working Latin vocabulary, cultivate their English vocabulary through Latin derivatives, and consider how ancient civilization informs our modern world through study of Roman society and culture. Students will move at a relatively standard pace through the material and be assessed via homework assignments, projects, and open-resource tests. In preparation for further study in Latin, we will work together to enable you to move beyond simply translating the Latin into English, but rather understanding and engaging in the more complex issues of critical reading. This course will prepare students for advanced study of original Latin texts.

Prerequisites: Latin 2

## **Latin 4 / LAT400 / FY**

Latin IV is a year-long regular level course designed to transition students to reading classical Latin in an unadapted form. We will read the best known Roman authors with a focus on learning about their culture in their own words, while reviewing advanced grammar topics. The course functions as a final high school level course, or as preparation for AT Latin or college level courses. Students are assessed on reading competency, translation skills and grammar analysis, as well as cultural connections via short essays. The course is designed for students who have already studied Latin for at least two to three years, and who have covered all major grammatical and cultural topics.

Prerequisites: Latin 3

## **Spanish 1 / SPA100 / FY**

In this course, students will learn how to read, speak, and understand Level 1 Spanish. Through their studies in Spanish 1, students will explore cultural identity, the benefits of travel, and how technology connects people. Students will also study how different cultures spend their leisure time, fashion and beauty ideals across different cultures, and how schools in their country differ from schools in Spanish-speaking countries. Spanish 1 learners will read and listen to stories from the perspective of students in schools across the world. In this course, each unit includes a song that deepens students' understanding of grammar and new vocabulary while also giving a taste of Spanish-language music.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several Spanish-speaking countries and there is a cultural component to the unit test. At this level, students will go from writing one word answers to writing basic complete sentences and eventually short paragraphs of 5-10 sentences in length.

Prerequisites: None

## **Honors Spanish 1 / SPA110 / FY**

In this course, students will learn how to read, speak, and understand Level 1 Spanish. Through their studies in Honors Spanish 1, students will explore cultural identity, the benefits of travel, and how technology connects people. Students will also study how different cultures spend their leisure time, fashion and beauty ideals across different cultures, and how schools in their country differ from schools in Spanish-speaking countries. Honors Spanish 1 learners will read and listen to stories from the perspective of students in schools across the world. In this course, each unit includes a song that deepens students' understanding of grammar and new vocabulary while also giving a taste of Spanish-language music.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several Spanish-speaking countries and there is a cultural component to the unit test. At this level, students will go from writing one word answers to writing basic complete sentences and eventually short paragraphs of 5-10 sentences in length.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning. Students should also expect their instructor to conduct the majority of synchronous time in the target language.

Prerequisites: MS Spanish (B or above)

### **Spanish 2 / SPA200 / FY**

In Spanish 2, students will continue to practice speaking, reading, and understanding Level 2 Spanish. In this course students will explore: how travel influences our worldview; how we define our cultural identity; what we can learn from different generations; how the roles of family members differ from country to country; how beauty standards change over time and across cultures; and how healthcare access differs across the world. This course will also investigate the impact of Spain's colonial history on the world.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several Spanish-speaking countries and there is a cultural component to the unit test. At this level, students will go from writing basic complete sentences to writing complex multi-clause sentences and short paragraphs of 10-15 sentences in length.

Prerequisites: Spanish 1

### **Honors Spanish 2 / SPA210 / FY**

In Honors Spanish 2, students will continue to practice speaking, reading, and understanding Level 2 Spanish. In this course students will explore: how travel influences our worldview; how we define our cultural identity; what we can learn from different generations; how the roles of family members differ from country to country; how beauty standards change over time and across cultures; and how healthcare access differs across the world. This course will also investigate the impact of Spain's colonial history on the world.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several Spanish-speaking countries and there is a cultural component to the unit test. At this level, students will go from writing basic complete sentences to writing complex multi-clause sentences and short paragraphs of 10-15 sentences in length.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps of parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning. Students should also expect their instructor to conduct the majority of synchronous time in the target language.

Prerequisites: Spanish 1 (B or above), Honors Spanish 1 (C or above)

### **Honors Spanish 3 / SPA310 / FY**

In Honors Spanish 3, students will continue to practice speaking, reading, and understanding Level 3 Spanish. In their studies, students will explore the world of fine arts, what art says about a culture, and how artists use their art to change perspectives. Students will also study: how immigrants are treated across Spanish-speaking cultures; how geography and climate change impact our lives; how food fits into cultural identity; how access to education varies across cultures; and how to integrate into a new culture while maintaining the roots of one's home culture.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several Spanish-speaking countries and there is a cultural component to the unit test. At this level, students will continue to write using complex multi-clause sentences and begin to compose longer written work that contains multiple paragraphs. Students will work to finesse their writing so that they can more easily use a wide array of verbs and verb tenses to express themselves.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps or parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning. Students should also expect their instructor to conduct the majority of synchronous time in the target language.

Prerequisites: Spanish 2 (B or above), Honors Spanish 2 (C or above)

### **Spanish 4 / SPA400 / FY**

In Spanish 4, students will continue to practice speaking, reading, and understanding Level 4 Spanish. At this point in their language learning, students are working on finessing and mastering the main tenses and grammatical constructions. Spanish 4 learners will explore: what elements compose a cultural identity; how our personal beliefs can evolve over the course of our lives; how countries respond to global threats and crises; our role as global citizens in the fight against injustice; the evolution of women's roles in various world cultures; the importance of respecting human rights; possible solutions to global issues; the role of ethics in scientific research; how art can mirror life but also incite change; and the ethics of censorship.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several Spanish-speaking countries and there is a cultural component to the unit test. At this level, students will continue to write using complex multi-clause sentences and compose longer written work that contains multiple paragraphs. Students will work to finesse their writing so that they can more easily use a wide array of verbs and verb tenses to express themselves. They will work on writing analytical essays that defend a hypothesis and include clear introductions and conclusions.

Prerequisites: Spanish 2 (B or above), Honors Spanish 2 (C or above)



## **Honors Spanish 4 / SPA410 / FY**

In Honors Spanish 4, students will continue to practice speaking, reading, and understanding Level 4 Spanish. At this point in their language learning, students are working on finessing and mastering the main tenses and grammatical constructions. Spanish 4 learners will explore: what elements compose a cultural identity; how our personal beliefs can evolve over the course of our lives; how countries respond to global threats and crises; our role as global citizens in the fight against injustice; the evolution of women's roles in various world cultures; the importance of respecting human rights; possible solutions to global issues; the role of ethics in scientific research; how art can mirror life but also incite change; and the ethics of censorship.

Students will be assessed on their listening, speaking, reading and writing assignments both in class and through their homework. They will also take a multi-part cumulative assessment at the end of each unit that allows them to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. Each unit also includes a cultural exploration of several Spanish-speaking countries and there is a cultural component to the unit test. At this level, students will continue to write using complex multi-clause sentences and compose longer written work that contains multiple paragraphs. Students will work to finesse their writing so that they can more easily use a wide array of verbs and verb tenses to express themselves. They will work on writing analytical essays that defend a hypothesis and include clear introductions and conclusions.

In this honors-level course, asynchronous assignments will require students to practice multiple skills and will often have multiple steps or parts. Students in this honors-level course are expected to complete asynchronous work fully and on time and to participate regularly during synchronous sessions. Students will be asked to reflect often on their learning. Students should also expect their instructor to conduct the majority of synchronous time in the target language.

Prerequisites: Spanish 3 (B or above), Honors Spanish 3 (C or above)

## **Advanced Topics in Spanish / SPA620 / FY**

In Advanced Topics in Spanish, students continue to hone their skills and understanding in Spanish. This course's pace and coverage of material is designed to allow interested students the opportunity to take the AP Exam in Spanish Language and Culture, but that is not a requirement of the course. At Spanish learners will explore several themes that appear on the AP exam including: how the roles of family and community differ across countries; how consumerism affects our lives; how art can both reflect and defy cultural norms and can provide a window to the past; how technology has opened doors to important discoveries and advancements but perhaps also causes us to spend too much of our time in front of screens; how global challenges can unite cultures as we search together for solutions to global warming and equal human rights; and how multiculturalism within a society varies from country to country.

Students will be assessed on their listening, speaking, reading, and writing assignments both in class and through their homework. Each unit contains formative assessments that allow students to use the grammatical structures and vocabulary words from each unit in a series of reading, writing, listening, and speaking prompts. At this level, students will continue to write using complex multi-clause sentences and compose longer written work that contains multiple paragraphs. Students will finesse their writing so that they can more easily use a wide array of grammatical constructs and verb tenses to express themselves. They will work on writing and self-correcting analytical essays that defend a hypothesis and include clear introductions and conclusions. This course also includes several practice AP Exams that allow students to demonstrate their wide range of skills in the Spanish language.

Prerequisites: Spanish 4 (B or above), Honors Spanish 4 (C or above)

### **Mandarin Chinese 1 / CHN200 / FY**

Mandarin Chinese 1 begins the sequence of the study of Mandarin Chinese language and Chinese culture. This course centers on mastering the Mandarin sound system and the rudiments of the Chinese writing system. Students in Mandarin Chinese 1 will learn to read and write the sounds of Mandarin using Pinyin (a phonetic system using the Roman alphabet). Students will also learn to read and write up to 300 essential characters in order to engage in simple correspondence. The course's assessments reflect learners' listening, speaking, reading, and writing (both in handwriting and typing) skills.

Prerequisites: None

### **Mandarin Chinese 2 / CHN300 / FY**

Mandarin Chinese 2 continues the sequence of the study of Mandarin Chinese language and Chinese culture. This course focuses on mastering the Mandarin sound system and the rudiments of the Chinese writing system. Students in Mandarin Chinese 2 will continue their study to read and write the sounds of Mandarin using Pinyin (a phonetic system using the Roman alphabet). Students will also learn to read and write up to 300 essential characters in order to engage in simple correspondence. The course's assessments reflect learners' listening, speaking, reading, and writing (both in handwriting and typing) skills.

Prerequisites: Mandarin 1

### **Mandarin Chinese 3 / CHN300 / FY**

Mandarin Chinese 3 builds towards an intermediate proficiency in the language. This dynamic and experiential learning class aims to provide a well-rounded language learning experience. Students will have the opportunity to apply their prior knowledge of Chinese and acquire more advanced phrases and vocabulary to express themselves coherently in a series of sentences. Upon the successful completion of this course, students will be able to demonstrate enhanced communication skills covering a wide range of topics included in this and previous courses. The course includes projects, discussions, short presentations, quizzes, traditional assessments, music, and short essays. Each major topic is expected to take three weeks to complete. The assessments will encompass the four major language skills: listening, speaking, reading, and writing (including typing).

Prerequisites: Mandarin 2

### **Mandarin Chinese 4 / CHN400 / FY**

Mandarin Chinese 4 is equivalent to the intermediate level and is a continuation of Chinese III. In this course, students will master dialogue with colloquial expressions, learn new vocabulary and grammar, and explore Chinese culture. The assessments will encompass all four language skills: listening, speaking, reading, writing, and typing. Upon successful completion of this course, learners will demonstrate enhanced communication skills in a wide range of topics covered in previous courses. Learners will also have the opportunity to apply their existing knowledge of Chinese and acquire more advanced phrases to express themselves coherently in a series of sentences.

Prerequisites: Mandarin 3

## **Mandarin Chinese IS / CHN500 / Semester**

Welcome to the Independent Study Program for Chinese! This program is designed to provide students with the opportunity to take charge of their language learning journey, fostering autonomy, self-discipline, and a deeper understanding of the target language. Through a combination of guided tasks, self-directed study, and personalized projects, students will engage with the language in a meaningful and immersive way.

Prerequisites: Mandarin 4 (B or above)

Program Objectives:

1. Develop proficiency in the target language
2. Enhance language skills in reading, writing, speaking, and listening.
3. Cultivate cultural understanding and appreciation of the target language's community and history.
4. Foster critical thinking, problem-solving, and creativity through language tasks and projects.
5. Encourage self-reflection and metacognitive strategies to monitor language learning progress.

## **Arts**

### **Photoshop / Digital Art / ART100 / Semester**

Prerequisites: None

### **Public Speaking / ART101 / Semester**

Public speaking is a core skill that everyone engages in at some point in their lives. This course will guide you through the world of public speaking and offer you the opportunity to find your speaking strengths and to identify and work on your areas for growth. Classes will be interactive and student participation will be a core element of our learning. By the end of the course, students will have been exposed to many types of speaking including (but not limited to) interpretive reading, speech-making, dramatic interpretation, and impromptu.

Prerequisites: None

### **Movie on iPhone / ART102 / Semester**

iMovie Making empowers students to utilize the powerful resources that they have in their pockets. Whether a student has no film experience, or they are looking for a cost-effective and quick way to grow their body of work, every student will enjoy making something at their own pace. Students learn the basics of film theory, and learn how to use iMovie to make a movie. Students start by watching how-to clips of useful techniques, and trying them out on guided assignments. Students will also watch examples of successful ultra low-budget film pieces. As the class progresses, students will learn both how to use an iPhone like a professional camera rig, and how to use iMovie like professional movie editing software. Students will write and cast their own simple scripts based upon technical requirements that they will learn how to accomplish. By the end of the course, students will have filmed their script, inserted their footage into iMovie, and have pieced it together using iMovie's easy-to-use editing tools. As the class comes to a close, students will watch their short films, and will go away with a highly useful understanding of their phone camera, of iMovie, and of film-based storytelling.

Prerequisites: None

## **Screenwriting / ART103 / Semester**

Screenwriting presents the foundational principles of screenwriting and will encourage students to develop their writing skills, learn how to draft well-structured stories, create compelling characters, and become familiar with other important concepts to succeed in this field. They will learn, first, by reviewing and evaluating strengths and weaknesses of existing works. Then, they will begin applying what they've learned to their own scripts.

Prerequisites: None

## **Acting for Film / ART104 / Semester**

This semester-long course provides essential skills for students who want to establish a foundation in on-screen acting. Students will work with scripts for movies, television, theater, skits, social media campaigns, and auditions. Students will demystify the tricks of the film and TV trade, and work towards developing their individualized acting techniques and preparing for any type of acting role. Students will study short clips of TV and cinema to identify useful techniques, and to develop a common language for acting craft moves. Guided by the instructor, students may narrow their focus on individualized projects. Students will receive training in script analysis and partner-to-partner work, and will ultimately present a simple showing of their work to the class.

Prerequisites: None

# **Independent Study**

This program is designed to provide students with the opportunity to take charge of their learning journey, fostering autonomy, self-discipline, and a deeper understanding of the target subject. Through a combination of guided tasks, self-directed study, and personalized projects, students will engage with their studies in a meaningful and immersive way.

### **Program Objectives:**

1. Develop a deeper understanding and appreciation for the target subject.
2. Showcase mastery of Prestans' departmental skills for the chosen area of study.
3. Foster critical thinking, problem-solving, and creativity through tasks and projects.
4. Encourage self-reflection and metacognitive strategies to monitor learning progress.

### **Guidelines for Work:**

1. At the beginning of the program, students will design a personalized learning experience with clear and achievable goals that align with Prestans' departmental skills. To ensure well-rounded development, students should have at least one goal per skill. These goals should cover both short-term objectives (weekly or monthly) and long-term goals (by the end of the program). To ensure the robustness of these goals, a review process led by a member of the Academic Team will help students balance ambition and feasibility. Students must complete a minimum of 6 summative assessments for a 30-hour course, 3 for a 15-hour course, and 2 for a 10-hour course. These assessments will be included in the student's Independent Study Portfolio.

2. Students will meet twice per week for an hour on Zoom with their assigned mentor or instructor to review progress, discuss challenges, and receive feedback. These sessions will provide an opportunity for students to reflect on their learning process and make adjustments to their study plan as needed.

3. To maintain rigor and mastery at this advanced level, students should expect to complete up to 8 hours of asynchronous work each week.

4. Students may engage in a variety of exercises designed to develop key skills in their area of study.

Tasks may include:

- Reading various primary and secondary sources pertaining to their area of study and summarizing or analyzing the content.
- Writing essays, journal entries, or creative pieces.
- Conducting research pertaining to their area of study and recording their findings.

5. In addition to tasks, students may undertake projects that allow for deeper exploration of their area of study. Projects may include:

- Creating a multimedia presentation on their area of study.
- Conducting interviews with experts or practitioners in their area of study.
- Producing a short film or podcast to demonstrate their learning.
- Designing and executing a community service project that pertains to their area of study.
- Developing a prototype, model, or artwork related to their area of study.
- Participating in or organizing an event or workshop related to their area of study.

6. Assessment will be based on a combination of self-assessment and instructor evaluation. Students will be required to submit regular progress reports, reflections on their learning journey, and evidence of completed tasks and projects.

7. At the conclusion of the program, students will present a portfolio showcasing their learning achievements. This will include a written reflection on the learning process, including a summary of goals achieved, samples of work, and a demonstration of mastery through a final project or presentation.

- A student's portfolio must include at least one artifact for each of the departmental skills.
- Written submissions should adhere to the following minimum page lengths:
  - Short written tasks (essays, reflections, etc.): 1-2 pages (approximately 300-500 words).
  - Mid-length written assignments (reports, analyses, etc.): 3-5 pages (approximately 900-1500 words).
  - Major projects or final portfolio components: 6-10 pages (approximately 1800-3000 words), depending on the scope of the project.