


The image shows the exterior of Richard Montgomery High School, a large brick building with a central entrance. The sky is overcast. In the foreground, there are several trees with autumn foliage in shades of yellow, orange, and brown, along with a green lawn and a paved area. The text "RICHARD MONTGOMERY HIGH SCHOOL" is visible on the left side of the building.

RMHS High School Course Offerings 2023-2024

RMHS Course Offerings - How to Use

Pages 3 - 7 of this presentation act as a Table of Contents for all classes Richard Montgomery High School offers. Simply click on a course subject or specific course to go directly to that course subject or course page.

Click on the  icon at the bottom right of each page to return to the table of contents.

[Click here to learn more about the course differences between on-level, honors, AP, and IB courses.](#)

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English

- [Honors English 9A/B](#)
- [Honors English 10A/B](#)
- [Honors English 11A/B](#)
- [Honors English 12A/B](#)
- [~RMS English 9A/B](#)
- [~RMS English 10A/B](#)
- [AP Language & Composition A/B](#)
- [AP Literature & Composition A/B](#)
- [IB English Language & Literature 1A/B](#)
- [IB English Language & Literature 2A/B](#)
- [IB English Literature 1A/B](#)
- [IB English Literature 2A/B](#)
- [Creative Writing A/B](#)
- [Literature as Film](#)
- [Journalism A/B](#)
- [Advanced Journalism A/B](#)
- [Yearbook 1A/B](#)
- [Yearbook 2A/B](#)

EML (Emergent Multilingual Learner)

- [English 9 for EL 1, 2, & 3 A/B](#)
- [English 10 for EL 1, 2, & 3 A/B](#)
- [ELD Seminar 1, 2, & 3 A/B](#)
- [Earth Space Systems & Sustainability A/B](#)
- [MAPS/MAPS-SE](#)

Math

- [Algebra 1A/B](#)
- [Geometry A/B](#)
- [Honors Geometry A/B](#)
- [~RMS Geometry A/B](#)
- [2YR Algebra 2A/B](#)
- [2YR Algebra 2C/D](#)
- [Algebra 2A/B](#)
- [Honors Algebra 2A/B](#)
- [IB Analysis & Applications of Functions \(AAF\) A/B](#)
- [Pre-Calculus A/B](#)
- [Honors Pre-Calculus A/B](#)
- [IB Pre-Calculus SL A/B](#)
- [~IB Pre-Calculus HL A/B](#)
- [Calculus with Applications A/B](#)
- [IB Application Statistics Calculus 1A/B](#)
- [AP AB Calculus A/B](#)
- [AP BC Calculus A/B](#)
- [IB Analysis Statistics Calculus 1A/B](#)
- [IB Analysis Statistics Calculus 2A/B](#)
- [IB Multivariable Calc Diff Equations A/B](#)
- [Honors Statistics A/B](#)
- [AP Statistics A/B](#)
- [Financial Mathematics A/B](#)
- [Linear Algebra \(one semester only\)](#)

Click the Course/Department Below to Jump to that Section

Science

- [*Biology A/B](#)
- [*Honors Biology A/B](#)
- [*~RMS Biology A/B](#)
- [*AP Biology Double Period A/B](#)
- [*~IB Biology SL A/B](#)
- [*~IB Biology HL A/B](#)
- [*Chemistry A/B](#)
- [*Honors Chemistry A/B](#)
- [*~Adv Science Chemistry A/B](#)
- [*AP Chemistry A/B](#)
- [*~IB Chemistry A/B](#)
- [*~IB Chemistry 2 A/B](#)
- [*Honors Physics A/B](#)
- [*AP Physics 1A/B](#)
- [*AP Physics CA/B](#)
- [*~IB Physics 1 A/B](#)
- [*~IB Physics 2 A/B](#)
- [*Astronomy with Physics A/B](#)
- [*AP Environmental Science A/B](#)
- [*~IB Environmental Systems & Societies A/B](#)
- [IB Sports, Exercise and Health Science A/B](#)
- [Anatomy & Physiology A/B](#)
- [Forensic Science A/B](#)
- [Wildlife Biology](#) (one semester only)

**Counts towards the NGSS Science graduation requirement.*

~RMHS IB Magnet Cohort students only

Social Studies

- [US History A/B](#)
- [Honors US History A/B](#)
- [AP US History A/B](#)
- [NSL Government A/B](#)
- [Honors NSL Government A/B](#)
- [AP US Government and Politics A/B](#)
- [Honors Modern World History A/B](#)
- [AP World History A/B](#)
- [IB History 1A/B](#)
- [IB History 2A/B \(Africa Regional Focus\)](#)
- [IB History 2A/B \(Europe Regional Focus\)](#)
- [IB Economics A/B](#)
- [IB Global Politics A/B](#)
- [IB Philosophy A/B](#)
- [IB Social Anthropology A/B](#)
- [IB TOK 1 w/ Extended Essay A/B](#)
- [IB TOK 2 \(first semester only\)](#)
- [AP Human Geography A/B](#)
- [AP Macro/Micro A/B \(AP Econ\)](#)
- [AP Psychology A/B](#)
- [African American History](#) (one semester only)
- [APIDA Studies](#) (one semester only)
- [Hispanic or Latin American Studies](#) (one semester only)
- [Law](#) (one semester only)
- [LGBTQ Studies](#) (one semester only)
- [Sociology 1&2](#)
- [Women's Studies](#) (one semester only)

Click the Course/Department Below to Jump to that Section

World Language

- **American Sign Language**
 - [American Sign Language 1A/B, American Sign Language 2A/B](#)
- **Chinese**
 - [Chinese 2A/B,](#)
 - [Hon Chinese 3A/B, RMS Chinese 3A/B](#)
 - [Hon Chinese 4A/B, IB Chinese 4A/B](#)
 - [Chinese 5A/B, AP Chinese Language & Culture A/B, IB Chinese 5A/B](#)
 - [IB Chinese 6A/B, IB Chinese 7A/B](#)
- **French**
 - [French 1A/B, French 2A/B](#)
 - [Hon French 3A/B, RMS French 3A/B](#)
 - [Hon French 4A/B, IB French 4A/B](#)
 - [French 5A/B, AP French Language & Culture A/B, IB French 5A/B](#)
 - [IB French 6A/B, IB French 7A/B](#)
- **Latin**
 - [Latin 1A/B, Latin 2A/B, Hon Latin 3A/B](#)
 - [Hon Latin 4A/B, AP Latin A/B](#)
- **Spanish**
 - [Spanish 1A/B, Spanish 2A/B](#)
 - [Hon Spanish 3A/B, RMS Spanish 3A/B](#)
 - [Hon Spanish 4A/B, IB Spanish 4A/B](#)
 - [Spanish 5A/B, AP Spanish Language & Culture A/B, IB Spanish 5A/B](#)
 - [IB Spanish 6A/B, IB Spanish 7A/B](#)
 - [Spanish for Spanish Speakers 1A/B, Spanish for Spanish Speakers 2A/B, Spanish for Spanish Speakers 3A/B](#)

Computer Science / Technology

- [+*Foundations of Technology A/B](#)
- [+*Foundations of Computer Science A/B](#)
- [+*AP Computer Science Principles A/B](#)
- [*AP Computer Science JAVA A/B](#)
- [Computer Programming 1A/B](#)
- [Website Development A/B](#)
- [*IB Computer Science 1A/B](#)
- [+Engineering Design A/B](#)
- [+^Adv Design Applications A/B](#)
- [+^Adv Technological Applications A/B](#)

**Satisfies the Technology Education (TE) graduation requirement.*

^Satisfies the Technology Education (TE) graduation requirement if not being used as a part of a Program of Study.

+Can be used as a part of RMHS's 4 year Advanced Technology Program of Study

Other Electives at RM

- [Applied Leadership w/ SSL](#) (student aid)
- [Internship A/B](#) (single, double or triple period)
- [Personal Finance](#) (one semester only)
- [Rocket Teaching Assistant \(RTA\)](#)
- [Student Leadership A/B](#) (application only)
- [TV Production/RMBC A/B](#) (application only)

Click the Course Below to Jump to that Section

Art/Theatre/Film

- [Foundations of Art & Culture A/B](#)
- [Functional Fine Art & Craft A/B](#)
- [2-D Studio Art A/B](#)
- [Studio Art 2A/B](#)
- [Student Art 3 A/B](#)
- [Adv Painting 2A/B](#)
- [Ceramic Sculpture 1A/B](#)
- [Advanced Ceramic Sculpture 2A/B](#)
- [Advanced Ceramic Sculpture 3A/B](#)
- [Advanced Ceramic Sculpture 4A/B](#)
- [Digital Art 1A/B](#)
- [Photography 1A/B](#)
- [Photography 2A/B](#)
- [Adv Photography 3A/B](#)
- [Adv Photography 4A/B](#)
- [AP Studio Art 2-D A/B](#)
- [AP Art 2D Design Double Period A/B](#)
- [IB Art & Design 1](#)
- [IB Art & Design 2](#)
- [AP Art History](#)
- [Theatre 1A/B](#)
- [Theatre 2A/B](#)

- [IB Theatre 1A/B](#)
- [IB Theatre 2A/B](#)
- [IB Film 1A/B](#)
- [IB Film 2A/B](#)

Music

- [Guitar 1A/B](#)
- [Guitar 2A/B](#)
- [Piano 1A/B](#)
- [Piano 2A/B](#)
- [AP Music Theory A/B](#)
- [Music Technology A/B](#)
- [Chorus 1A/B](#)
- [Chorus 2A/B](#)
- [Chorus 3A/B](#)
- [Chamber Singers A/B](#)
- [Concert Band A/B](#)
- [Symphonic Band A/B](#)
- [Jazz Ensemble A/B](#)
- [Concert Orchestra A/B](#)
- [Philharmonic Orchestra A/B](#)
- [Symphonic Orchestra A/B](#)

Physical Education (PE)

- [Foundations of Personal Fitness & Sport A/B](#)
- [Specialty Basketball](#)
- [Specialty Lacrosse](#)
- [Specialty Net Sports](#)
- [Specialty Soccer](#)
- [Specialty Volleyball](#)
- [Specialty Weight Training](#)
- [Specialty Weight Training/Body Sculpting](#)
- [Yoga & Stretching](#)
- [Comprehensive Health Education Honors A](#)
- [Comprehensive Health Education Honors B](#)

Click the Program Below for more Information

Programing outside of the RMHS School building - APPLICATION ONLY

- [Edison High School of Technology Programs](#)
- [Visual Arts Center \(VAC\) program at Einstein](#)
- [JROTC \(Army\) at Magruder HS](#)
- [JROTC \(Navy\) at Gaithersburg HS](#)
- [Fire Science & Rescue Academy](#)
- [Other Career Readiness Programs in MCPS](#)
- [Montgomery College Jumpstart to College \(Dual Enrollment\) Program](#)
 - Contact RMHS's DEPA [Ms. Freedman](#) with questions
- [Montgomery College Early College Program](#)

English

- [Honors English 9A/B](#)
- [Honors English 10A/B](#)
- [Honors English 11A/B](#)
- [Honors English 12A/B](#)
- [RMS English 9A/B*](#)
- [RMS English 10A/B*](#)
- [AP Language & Composition A/B](#)
- [AP Literature & Composition A/B](#)
- [IB English Language & Literature 1A/B](#)
- [IB English Language & Literature 2A/B](#)
- [IB English Literature 1A/B](#)
- [IB English Literature 2A/B](#)

English Electives

- [Creative Writing A/B](#)
- [Journalism A/B](#)
- [Literature as Film](#)
- [Advanced Journalism A/B](#)
- [Yearbook 1A/B](#)
- [Yearbook 2A/B](#)

* RMHS IB Magnet Cohort students only

GRADUATION REQUIREMENT: 4 CREDITS FROM THE LEFT COLUMN



Honors English 9, 10, 11, & 12

English 9, Honors

English 9 lays the foundation for the detailed analysis and argumentation that is expected of students throughout high school. The first semester is focused on **writing**, as students examine models such as short stories, essays, and novels to explore the choices writers make and make similar choices in their own work, practicing reflection, revision, and rewriting. The second semester course prioritizes close **reading**. Through careful reading and analysis of varied works, students learn to consider diverse interpretations of experience that arise out of a wide variety of perspectives.

English 10, Honors

“Between Writers and Readers: Giving Voice to Ideas” focuses on specific forms of writing, including memoir, epic, drama, and novels, to help students understand how authors' perceptions of the world drive them to convey their understanding of the human experience. Students compose in different modes for different purposes, with opportunities to practice composing in the genres they study.

Prerequisite: Honors English 9

English 11, Honors

“Inquiry into the American Experience” encourages both teacher and student flexibility in order to provide for the kind of creative, authentic, and deep teaching and learning necessary to prepare all students for college and careers. Teachers develop units based on broad themes and open-ended questions. Throughout the course, teachers also encourage students to choose texts from diverse perspectives and time periods, research issues that interest them, and present their ideas in a variety of analytical and creative formats.

Prerequisite: Honors English 10

English 12, Honors

“Inquiry into the Global Experience” encourages students to consider multiple and complex points of view on universal themes and global issues. Students pursue questions that interest them and read a variety of texts that are diverse in terms of cultural experiences, time period, and world view, including texts from non-Eurocentric perspectives. Students continue to develop skills for using language to understand a world that is changing rapidly in terms of how information is produced and shared.

Prerequisite: Honors English 11



RMS English 9 & 10

RMS ENGLISH 9

IB Magnet Cohort only

An emphasis on the writing process complements the study of literature. The first semester introduces literary analysis, with a focus on mythology and Greek, Shakespearean, and modern drama. In the second semester, the focus shifts to the study of poetry and fiction as students examine the connection between the classical tradition and modern thought.

RMS ENGLISH 10

IB Magnet Cohort only

The theme of the universality of humanity provides a framework for an intensive study of literature. The first semester builds the skills of literary analysis through the study of short stories, Shakespearean drama, and modern American literature. In the second semester students examine modern American poetry, drama, and fiction and complete a personal study of an author.

Prerequisite: RMS English 9



AP Language & Composition

AP English Language and Composition

This course mirrors a first-year college writing course. Students read complex prose written in a variety of periods, disciplines, and rhetorical contexts and write for a range of purposes to express ideas with clarity and precision. Students are strongly encouraged to take the AP exam at the end of the course.

Prerequisite: Honors English 10

[CLICK HERE to learn more about the AP Lang & Comp Exam](#)



AP Literature & Composition

AP English Literature and Composition

This course places an emphasis on reading challenging classical and contemporary literature, including novels, poems, plays, and short stories. Students apply methods of literary analysis and write for a variety of purposes to increase their precision in expression. Students are strongly encouraged to take the AP examination at the end of the course.

Prerequisite: Honors English 11

[CLICK HERE to learn more about the AP Lit & Comp Exam](#)



IB Language & Literature 1 & 2

IB ENGLISH LANGUAGE AND LITERATURE 1 (OPEN TO ALL RM STUDENTS IN GRADE 11)

Students engage with literary and non-literary texts from around the world and across time periods, developing as readers and thinkers with the ability to reflect critically on the texts studied. Works studied will include both literary texts and a wide variety of non-literary texts such as film, photographs, and other visual forms. Students are prepared for the AP Language exam after taking IB English Language and Literature 1. Students must take both IB English Language and Literature year 1 and 2 to sit for the required higher-level exam.

IB ENGLISH LANGUAGE AND LITERATURE 2

The second year of the IB Language and Literature sequence prepares students directly for the IB internal external assessments, while continuing the study of literary and non-literary texts across genres, time periods, and cultural traditions. Students are also prepared to take either of the AP English exams at the end of senior year, as well as the IB Language and Literature Exam.

Prerequisite: IB English Language & Literature 1

[CLICK HERE to learn more about the IB Lang/Lit Exam](#)



IB Literature 1 & 2

IB ENGLISH LITERATURE 1

(OPEN TO ALL RM STUDENTS IN GRADE 11)

Students appreciate the artistry of literature around the world and develop as readers and thinkers with an emphasis on the ability to reflect critically on the texts studied. Literature studied include works in translation and a variety of genres, such as novels, poetry, and drama. Students focus on literary analysis while exploring a broad range of literary texts for written assessment and presentation. Students are prepared for the AP Literature exam after taking IB English 1. Students must take both IB English Literature year 1 and 2 to sit for the required higher-level exam.

IB ENGLISH LITERATURE 2

This course is the final year of the two-year Literature study and continues to reinforce the appreciation of literature and the development of critical thinking skills. Students continue to study works of various genres in preparation for the higher level IB English Literature exam.

Prerequisite: IB English Literature 1

[CLICK HERE to learn more about the IB Lit Exam](#)





Love to write? Eager to feel inspired? Hoping to express yourself in a community of creative classmates? To challenge yourself to try new forms of writing, like poetry, prose, and more?

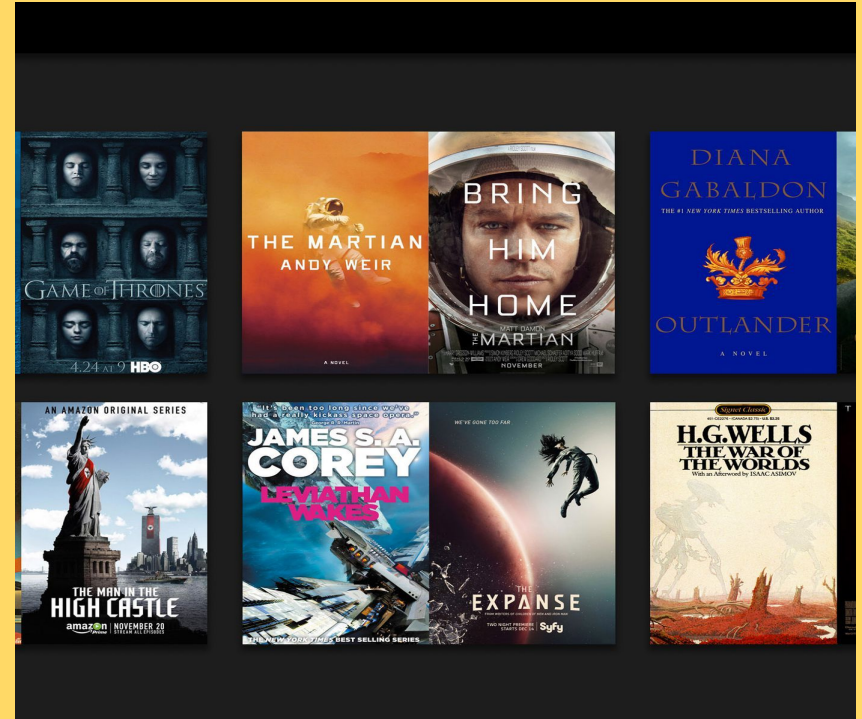
Prerequisite: Honors English 9



LITERATURE AS FILM

Do you enjoy reading novels, watching films, and analyzing how they work? Are you a writer or filmmaker who is interested in better understanding how narratives are adapted for other mediums? Are you interested in challenging yourself to create a story in more than one medium?

Prerequisite: Honors English 9



Journalism & Advanced Journalism

- Write stories, take photos, and create podcasts for *The Tide*.
- Become a section editor and plan coverage.
- Improve your interviewing and writing skills.
- Meet cool guest speakers.
- Have fun!



YEARBOOK 1 & 2

Grades 10-12

Create a record that you can treasure for decades.

Learn about layout and visual design.

Work with an amazing team of classmates on the ultimate group project!

Freshmen Bona Drabovsky and Aly Pastorek visited North Carolina this summer!

Senior Bianca Spagnoli and...

Senior Annabelle Sarg...

SPRIT WEEK

The 50s. The 60s. 70s and 80s. The leather jackets and tie dye, leggings and headbands. All Richard Montgomery needed was the classic Delorean to top off this trip down memory lane on Throwback Thursday. Seniors Justin Culp-Gonzalez and Valerie Wagner don the classic 50s look to the right. Juniors Kaya Lee-Espiritu, Julianna Olan, Sydney Weiss and Kaya Clark chill out in 60s garb. Regardless of the era, Throwback Thursday is always a fun day!

EOff Campus

Throwback! Thursday

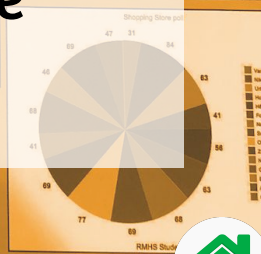
Friday
BLACK AND GOLD!

The culmination of Spirit Week 2019 was a true celebration of our school spirit. The Spirit Week culminated on Friday, October 11th, at the bleachers and field to recognize our athletes and rally support for the game!

Top: Juniors Dorothy and Alexis pose...

Above: Seniors Caroline and Mia Triandafyllou outside enjoying a treat.

When asked, senior Noora Amin, pictured above, explained, "We come to Starbucks every week. We usually like to come in the mornings before school, but if we have time, we'll come after school or during lunch."



EML (Emergent Multilingual Learner)

- [English 9 for EL 1A/B](#)
- [English 9 for EL 2A/B](#)
- [English 9 for EL 3 A/B](#)
- [English 10 for EL 1A/B](#)
- [English 10 for EL 2A/B](#)
- [English 10 for EL 3 A/B](#)
- [English Language Development Seminar 1A/B](#)
- [English Language Development Seminar 2/A](#)
- [English Language Development Seminar 3 A/B](#)
- [Earth Space Systems & Sustainability A/B](#)
- [MAPS A/B](#)
- [MAPS-SE A/B](#)
- [HS Developmental Reading A/B](#)



English 9 for EL 1, 2, & 3

English 9A for Eng Learn I

English/Language Arts I, II, & III (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening using various genres of literature. These courses enable students to progress from a beginning level of understanding of English vocabulary and grammatical structures to a more comprehensive grasp of various formal and informal styles of using Academic English in the context of English Language Arts. Per MSDE guidelines, only two ESOL courses can be used for English credit. This course may be offered for English credit.

Corequisite:English Language Development Seminar for English Learners I

English 9A for Eng Learn II

English/Language Arts II (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections. These courses enable students to progress from an intermediate level of understanding of English vocabulary and grammatical structures to a more comprehensive grasp of various formal and informal styles of using Academic English in the context of English Language Arts. Per MSDE guidelines, only two ESOL courses can be used for English credit. This is one of the courses that may be offered for English credit.

Corequisite:English Language Development Seminar for English Learners II

English 9A for Eng Learn III

English/Language Arts III (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections. These courses enable students to progress from an advanced level of understanding of English vocabulary and complex grammatical structures to a more comprehensive grasp of various formal and informal styles of using Academic English, similar to their native speaking peers, in the context of English Language Arts. Per MSDE guidelines, only two ESOL courses can be used for English credit. This is one of the courses that may be offered for English credit.

Corequisite:English Language Development Seminar for English Learners III



English 10 for EL 1, 2, & 3

English 10A for Eng Learn I

English/Language Arts I (10th grade) courses usually offer a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. These courses enable students to progress from a beginning level of understanding of English vocabulary and grammatical structures to a more comprehensive grasp of various formal and informal styles of using Academic English in the context of English Language Arts. Per MSDE guidelines, only two ESOL courses can be used for English credit. This is one of the courses that may be offered for English credit.

Corequisite:English Language Development Seminar for English Learners I

English 10A for Eng Learn II

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. These courses enable students to progress from an intermediate level of understanding of English vocabulary and grammatical structures to a more comprehensive grasp of various formal and informal styles of using Academic English in the context of English Language Arts. Per MSDE guidelines, only two ESOL courses can be used for English credit. This is one of the courses that may be offered for English credit.

Corequisite:English Language Development Seminar for English Learners II

English 10A for Eng Learn III

English/Language Arts III (10th grade) courses usually offer a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. These courses enable students to progress from an advanced level of understanding of English vocabulary and complex grammatical structures to a more comprehensive grasp of various formal and informal styles of using Academic English, similar to their native speaking peers, in the context of English Language Arts. Per MSDE guidelines, only two ESOL courses can be used for English credit. This is one of the courses that may be offered for English credit.

Corequisite:English Language Development Seminar for English Learners III





English Language Development (ELD) Seminar 1, 2, & 3

English Language Development Seminar Els 1

This course is designed to teach English as a new language to ESOL students at the Beginning English proficiency level. Reading, writing, listening, and speaking are integrated into thematic academic units with writing across the curriculum. A general introduction to American culture is provided. This course meets creates the double period every day. This course is a co-requisite for any grade-level English for English Learners I and is offered for elective credit only.

English Language Development Seminar Els 2

This course is designed to teach English as a new language to ESOL students at the Intermediate English proficiency level. Reading, writing, listening, and speaking are integrated into thematic, academic units with writing across the curriculum. A general introduction to American culture is provided. This course meets creates the double period every day. This course is a corequisite for any grade-level English for English Learners II and is offered for elective credit only.

English Language Development Seminar Els 3

This course is designed to teach English as a new language to ESOL students at the Intermediate English proficiency level. Reading, writing, listening, and speaking are integrated into thematic academic units with writing across the curriculum. A general introduction to American culture is provided. This course meets creates the double period every day. This course is a corequisite for any grade-level English for English Learners III. This course is offered for elective credit only.



Earth Space Systems & Sustainability



Earth Space Systems & Sustainability

EML level 1 and 2 students only. Earth Systems and Sustainability provides NGSS science credit for high school graduation. This course will build science background knowledge for English language learners(levels I/II). Students will investigate Earth systems(geosphere, atmosphere, biosphere, and hydrosphere) and Earth in space. In each unit, students will explore connections to sustainability issues and potential solutions.



MAPS/MAPS-SE

MAPS-SE 2A

EML students only. General Math courses reinforce and expand students foundational math skills such as arithmetic operations using rational numbers area perimeter and volume of geometric figures congruence and similarity angle relationships the Pythagorean theorem the rectangular coordinate system sets and logic ratio and proportion estimation formulas solving and graphing simple equations and inequalities



Math

- [Algebra 1A/B](#)
- [Geometry A/B](#)
- [Honors Geometry A/B](#)
- ~[RMS Geometry A/B](#)
- [2YR Algebra 2A/B](#)
- [2YR Algebra 2C/D](#)
- [Algebra 2A/B](#)
- [Honors Algebra 2A/B](#)
- [IB Analysis & Applications of Functions \(AAF\) A/B](#)
- [Pre-Calculus A/B](#)
- [Honors Pre-Calculus A/B](#)
- [IB Pre-Calculus SL A/B](#)
- ~[IB Pre-Calculus HL A/B](#)
- [Calculus with Applications A/B](#)
- [IB Application Statistics Calculus 1A/B](#)
- [AP AB Calculus A/B](#)
- [AP BC Calculus A/B](#)
- [IB Analysis Statistics Calculus 1A/B](#)
- [IB Analysis Statistics Calculus 2A/B](#)
- [IB Multivariable Calc Diff Equations A/B](#)
- [Honors Statistics A/B](#)
- [AP Statistics A/B](#)
- [Financial Mathematics A/B](#)
- [Linear Algebra \(one semester only\)](#)

GRADUATION REQUIREMENT: 4 CREDITS (Algebra, Geometry, and 2 additional math credits)

~RMHS IB Magnet Cohort students only



Algebra 1

Algebra 1A

Algebra 1 is designed to analyze and model real-world phenomena. Exploration of linear, exponential, and quadratic functions forms the foundation of the course. Key characteristics and representations of functions--graphic, numeric, symbolic, and verbal--are analyzed and compared. Students develop fluency in solving equations and inequalities. One- and two-variable data sets are interpreted using mathematical models.



Geometry/Honors Geometry

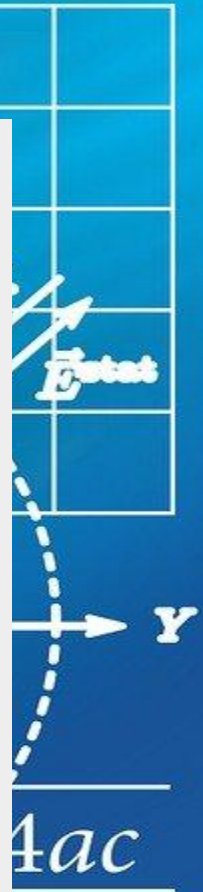
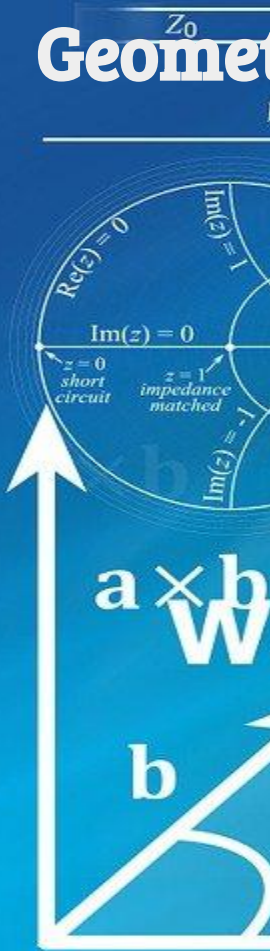
$$\frac{a}{b+c} = a \div (b+c) \neq \frac{a}{b} + \frac{a}{c}$$

Geometry/Honors Geometry

Geometry formalizes and extends students geometric experiences from the elementary and middle school grades. Students explore more complex geometric situations and deepen their understanding of geometric relationships, progressing toward formal mathematical arguments. Instruction at this level will focus on the understanding and application of congruence as a basis for developing formal proofs; the relationships among similarity, trigonometry and triangles; the relationships between two- and three-dimensional objects and their measurements; exploration of geometric descriptions and equations for conic sections; and application of geometric concepts in modeling situations.

Prerequisite: Algebra 1 A/B

[Click here to learn about the course differences between on-level and honors.](#)



RMS Geometry

RMS GEOMETRY

IB Diploma Candidates only. Combined course with honors geometry. Instruction focuses on the understanding and application of congruence as a basis for developing formal proofs; the relationships among similarity, trigonometry and triangles; the relationships between two- and three-dimensional objects and their measurements; exploration of geometric descriptions and equations for conic sections; and application of geometric concepts in modeling situations.

Prerequisite: Algebra 1 A/B



2YR Algebra 2AB/2YR Algebra 2CD

2YR Algebra 2A/B/C/D (2 year course)

Students in Two-year Algebra 2 study the same content with the same rigor as for the one-year Algebra 2 course, with more time allocated for concept development, procedural fluency, and student support. Students build on their Algebra 1 knowledge of linear, quadratic, and exponential functions and extend their understanding to include polynomial, rational, radical, exponential, and logarithmic functions. Students synthesize and generalize what they have learned about a variety of function families and explore the effect of transformations on the graphs of diverse functions. Students use mathematical models to solve real-world problems and use the coordinate plane to apply trigonometry in modeling periodic phenomena. In addition, students study topics in probability and statistics.

Prerequisite: Algebra 1 A/B and Geometry A/B



Algebra 2/Honors Algebra 2

Algebra 2/Honors Algebra 2

In Algebra 2, students build on their Algebra 1 knowledge of linear, quadratic, and exponential functions and extend their repertoire to include polynomial, rational, radical, exponential, and logarithmic functions. Students continue to use mathematical models to solve real-world problems. They use the coordinate plane to apply trigonometry in modeling periodic phenomena. Students synthesize and generalize what they have learned about a variety of function families and explore the effect of transformations on the graphs of diverse functions. Students will also study topics in probability and statistics.

Prerequisite: Algebra 1 A/B and Geometry A/B

[Click here to learn about the course differences between on-level and honors.](#)



IB Analysis & Applications of Functions (AAF) A/B

IB ANALYSIS AND APPLICATIONS OF FUNCTIONS – AAF

Open to all students. Number systems, including complex numbers are studied. Functions (linear, quadratic, polynomial, rational, exponential, logarithmic, radical, and trigonometric) and conic sections are analyzed. Students student the relevance of the features of those functions/relations, their graphs, and models, to real-world applications. This course is an advanced Algebra 2/Trig course.

Prerequisite: Algebra 1 and Geometry



Pre-Calculus/Honors Pre-calculus

Precalculus

PreCalculus courses combine the study of Trigonometry Elementary Functions Analytic Geometry and Math Analysis topics as preparation for calculus Topics typically include the study of complex numbers polynomial logarithmic exponential rational right trigonometric and circular functions and their relations inverses and graphs trigonometric identities and equations solutions of right and oblique triangles vectors the polar coordinate system conic sections Boolean algebra and symbolic logic mathematical induction matrix algebra sequences and series and limits and continuity

Prerequisite: Algebra 2

Honors Precalculus

Precalculus completes the formal study of the elementary functions begun in Algebra 1 and Algebra 2. Students focus on the use of technology, modeling, and problem solving. Functions studied include polynomial, exponential, logarithmic, rational, radical, piece-wise, and trigonometric and circular functions and their inverses. Parametric equations, vectors, and infinite sequences and series are also studied.

Prerequisite: Algebra 2

[Click here to learn about the course differences between on-level and honors.](#)



IB Pre-Calculus SL/IB Pre-Calculus HL

IB PRECALCULUS- SL

Open to all students. This pre-calculus course builds on the concepts of RMS AAF. Time for review of some of the more advanced topics covered in RMS AAF is built into the course.

Advanced trigonometry, vectors, parametrics, and discrete topics are also studied.

IB PRECALCULUS - HL

IB Diploma Candidates only. This advanced precalculus class builds on the concepts of IB AAF. Advanced trigonometry, statistics and probability, series and sequences, complex number applications, vector analysis in two and three dimensions, and polar mathematics are some of the topics covered.

Prerequisite: Algebra 2



IB Application Statistics Calculus 1

IB MATH APPLICATIONS STATISTICS CALCULUS

Open to all students. This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. Students will take the IB Math Applications SL exam.

Prerequisite: Pre-calculus

[CLICK HERE to learn more about the IB Math Applications SL Exam](#)



IB Analysis Statistics Calculus 1 & 2

IB MATH ANALYSIS STATISTICS CALCULUS 1 (SL)

This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology. Students will take the IB Math Analysis SL exam. Students take EITHER this OR level 2, not both.

Prerequisite: Pre-calculus

[CLICK HERE to learn more about the IB Math Analysis SL Exam](#)

IB MATH ANALYSIS STATISTICS CALCULUS 2 (HL)

As a prerequisite a student must have taken BC Calculus. Students will take the IB Math Analysis exam at higher level at the conclusion of this course. Students take EITHER this OR level 1, not both.

[CLICK HERE to learn more about the IB Math Analysis HL Exam](#)



Calculus with Applications

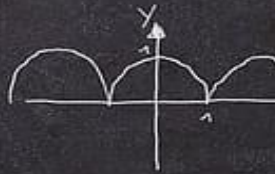


$$f(t) = a_0 + \sum_{n=1}^{\infty} a_n$$
$$= a_0 + a_1$$

Calculus with Applications

Calculus with Applications topics include limits, continuity, and derivatives of functions, the definite integral, and their real-world applications. Students find and apply derivatives numerically, graphically, and symbolically. Previously studied functions will be analyzed using calculus concepts. The relationship between the derivative and the definite integral is developed. Students will model real-world situations involving rates of change using difference or differential equations.

Prerequisite: Precalculus



$$n=2 \Rightarrow l=1$$
$$b_n = \emptyset$$

$$= \frac{1}{2} [-t]_{-1} + \frac{1}{2} [t]_0^1$$
$$= -\frac{1}{2} + \frac{1}{2} = \emptyset$$

$$a_n \rightarrow a(\omega)$$
$$b_n \rightarrow b(\omega)$$



AP AB Calculus

AP AB Calculus

Calculus AB topics are those traditionally offered in the first year of calculus in college, and are designed for students who wish to obtain a semester of AP in college. The topics studied include limits, continuity, derivatives and integrals of algebraic and transcendental functions and their applications, and elementary differential equations.

Prerequisite: Precalculus

[CLICK HERE to learn more about the AP AB Calculus Exam](#)



AB BC Calculus

AP BC Calculus

Calculus BC includes all of the topics in Calculus AB, as well as convergence tests for series, Taylor or Maclaurin series, vector, polar, and parametric functions. Students in BC Calculus may receive two semesters of AP in mathematics.

Prerequisite: Precalculus, Honors

[CLICK HERE to learn more about the AP BC Calculus Exam](#)



IB Multi-Variable Calculus And Diff Equations



Are you planning on pursuing a **STEM major** in college?

- Did you know that **MVC** and **DiffEQ** are required courses for **STEM majors**?

Yeah!



Do you want the opportunity to earn **University of Maryland credit** towards your **STEM major**?

- Did you know that **U of Md** offers an opportunity to earn transcript credit with a **test given at RM**??!



Do you want to take a **STEM elective** without an **exam requirement** in May?

- Did you know that there is **no AP or IB exam** associated with **MVC/DiffEq**?



Are you interested in adding **STEM courses** to your **transcript**?

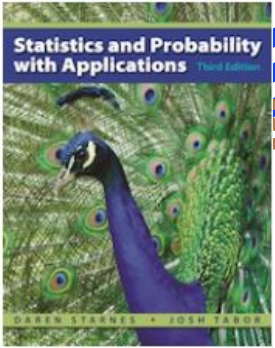
- Then **MVC/DiffEq** is the place for you!

The first semester covers three-dimensional analytic geometry and vectors; the calculus of functions of more than one variable, including partial derivatives, vector-valued functions, multiple integrals, volumes, surface area, and the classical theorems of Green, Stokes, and Gauss. The second semester introduces the basic concepts of ordinary differential equations.

Prerequisite: AP BC Calculus



Honors Statistics



Statistics and Probability With Applications

Are you interested in an introduction to statistics and probability that will prepare you for life in a world filled with data, as well as for many college majors that require

statistics?

Do you want to be better prepared for social science or life science courses in college?

Do you plan to open a restaurant, shop, or any small business?

If so then Intro To Statistics may be your ticket to achieve success in school and in life.



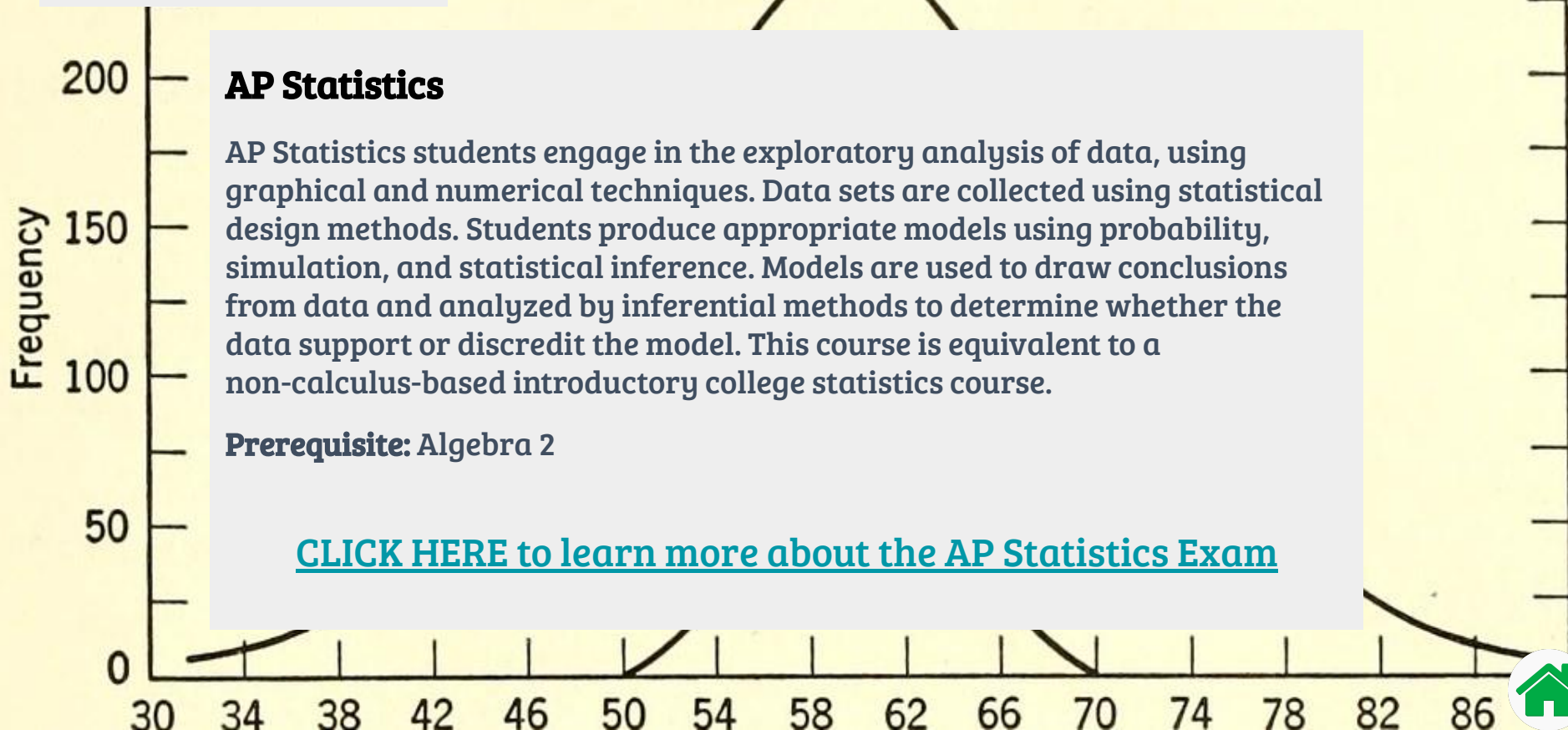
AP Statistics

AP Statistics

AP Statistics students engage in the exploratory analysis of data, using graphical and numerical techniques. Data sets are collected using statistical design methods. Students produce appropriate models using probability, simulation, and statistical inference. Models are used to draw conclusions from data and analyzed by inferential methods to determine whether the data support or discredit the model. This course is equivalent to a non-calculus-based introductory college statistics course.

Prerequisite: Algebra 2

[CLICK HERE to learn more about the AP Statistics Exam](#)



Financial Mathematics

(Formerly Quantitative Literacy)

Taxes
Credit

Budgeting

Banks and Banking

Stocks
Loans

MONEY

Math For Life!
What Else Is There To Say

Financial Mathematics is designed to enhance students abilities in mathematical decision making and financial literacy. Emphasis is on the mathematical aspects of savings and investments loans and credit budgeting chance decision making and starting a business.



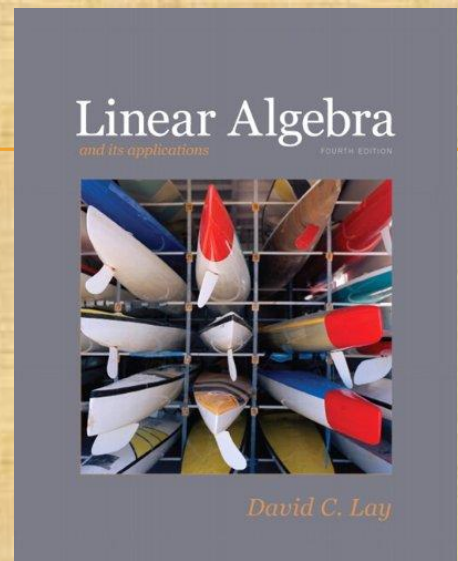
LINEAR ALGEBRA (SEMESTER 2)

- **Linear Algebra is a cornerstone of pure math, quantum physics, computer science, and many other math and science disciplines. Our goal in this course is to mix theory and application in order to build a strong mathematical foundation.**
- **Key topics for the course include (but are not limited to):**
 - **Solutions to Linear Systems**
 - **Matrix Operations**
 - **Linear Transformations**
 - **Vector Spaces**
 - **Eigenvalues & Eigenvectors**
 - **Markov Chains**

Prerequisite: AP AB Calculus

This course is ideal if you think you may want to pursue a STEM major in college, particularly math or computer science.

There are no AP or IB exams associated with this course.



Science

- [*Biology A/B](#)
- [*Honors Biology A/B](#)
- [*~RMS Biology A/B](#)
- [*AP Biology Double Period A/B](#)
- [*~IB Biology SL A/B](#)
- [*~IB Biology HL A/B](#)
- [*Chemistry A/B](#)
- [*Honors Chemistry A/B](#)
- [*~Adv Science Chemistry A/B](#)
- [*AP Chemistry A/B](#)
- [*~IB Chemistry A/B](#)
- [*~IB Chemistry 2 A/B](#)
- [*Honors Physics A/B](#)
- [*AP Physics 1A/B](#)
- [*AP Physics CA/B](#)
- [*~IB Physics 1 A/B](#)
- [*~IB Physics 2 A/B](#)
- [*Astronomy with Physics A/B](#)
- [*AP Environmental Science A/B](#)
- [*~IB Environmental Systems & Societies A/B](#)
- [IB Sports, Exercise and Health Science A/B](#)
- [Anatomy & Physiology A/B](#)
- [Forensic Science A/B](#)
- [Wildlife Biology](#) (one semester only)

GRADUATION REQUIREMENT: 3 Next Generation Science Standards (NGSS) credits. These 3 credits must include 1 life science credit, 1 physical science credit, AND 1 Earth/space science credit

**Counts towards the NGSS Science graduation requirement.*

~RMHS IB Magnet Cohort students only



Biology/Honors Biology

Biology/Honors Biology

This NGSS aligned course emphasizes the patterns, processes, and relationships of living organisms. Students will use observations, experiments, hypotheses, tests, models, theory, and technology to explore how life works. Core ideas include structures and processes in organisms, ecology, heredity, and evolution. There will be multiple opportunities for students to apply these ideas in developing solutions to authentic problem-based scenarios while also exploring career opportunities.

[Click here to learn about the course differences between on-level and honors.](#)



RMS Biology



RMS BIOLOGY - Grade 9 Required

Students study living organisms ranging from molecular levels to the biosphere. Topics include scientific method, cytology, genetics, evolution, taxonomy, microbiology, ecology, anatomy, and physiology. Students participate in laboratory work and field study during this preparatory course.



AP Biology

- **Double Period**
- **Two Semester**
- **College level course**

Syllabus link: follows AP College Board framework

Focus:

- **Develop Lab Skills, writing skills and a firm understanding of biology concepts and material.**
- **Units include:**
 - **Chemistry of Life**
 - **Cells**
 - **Cell Energetics**
 - **Animal Behavior**
 - **Ecology**
 - **Genetics**
 - **And more**

AP Exam occurs in May

Grades: based on activities, labs, projects, tests, and quizzes

Prerequisite: First Level Biology
Corequisite: Chemistry

[CLICK HERE to learn more about the AP Biology Exam](#)



IB Biology 1 / 2

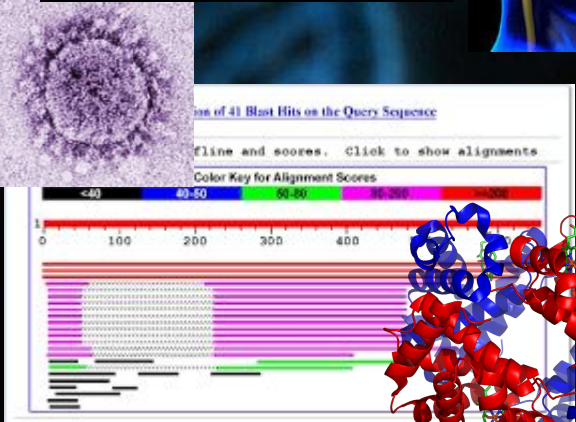
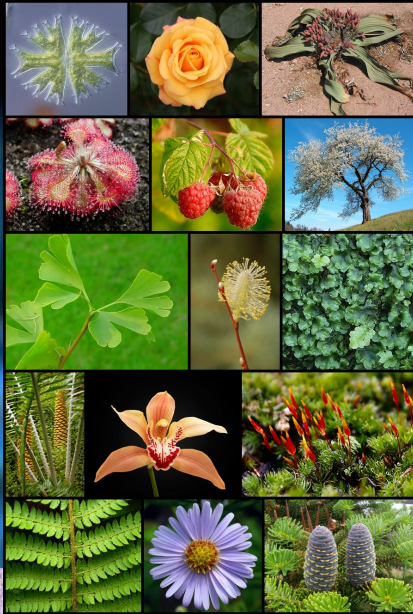
Fast paced, rigorous, 2 year course. IB Diploma Candidates only.

Year 1:

- Cells, Enzymes, Molecules of life, chromosomes, cell division, Ecology, Classification, Anatomy.
- Lots of Labs

Year 2:

- Plants, Metabolism, Genetics, Evolution, Immunology, and Bioinformatics.
- Students design and carry out their own experiment.



[CLICK HERE to learn more about the IB SL & HL Biology Exam](#)



Chemistry/Honors Chemistry

Chemistry/Honors Chemistry

This NGSS aligned course emphasizes the study of matter through inquiry. Through the use of laboratory investigations, students will explore their world at the atomic level. Using data, evidence, and scientific modelling, students achieve a deeper understanding of changes in matter. Topics of study will include structures and properties of matter, weather and climate, chemical reactions, conservation of mass/energy, and relationships between Earth and human activity.

Prerequisite:Algebra 1

Corequisite:Geometry A/B

[Click here to learn about the course differences between on-level and honors.](#)



Adv Science Chemistry (Magnet Chemistry)

MAGNET CHEMISTRY- Grade 10 Required

IB Diploma Candidates only. Students study the materials of our environment, their properties, and the ways in which they react with each other. Through a synthesis of laboratory work and descriptive and theoretical chemistry, students gain factual knowledge drawn from the whole field of chemistry. Topics include properties of matter, atomic theory, chemical bonds and reaction kinetics, gases, periodicity and radioactivity, organic chemistry, solutions and solubility, thermodynamics, oxidation reduction reactions, equilibrium systems, and electrochemistry.

Prerequisite: RMS Biology A/B



AP Chemistry

Do you like Chemistry/Engineering?

Do you plan on majoring in Science?

Do you want to earn College Credit?

Do you want to be fully prepared for college?

then AP Chemistry is the place for you.

Course offers: College Based Labs,
Exam Prep, AP Credit, & College
Credit for scoring a 3/4/5.

AP Chemistry offers a full year of
University-Certified Chemistry
The following Video explains all areas of
interests: <https://youtu.be/DIImq4V-NOM>

Prerequisite: Chemistry and Algebra 2

[CLICK HERE to learn more about the AP Chemistry Exam](#)



IB Chemistry 1 / 2

IB Diploma Candidates only.

- Want to learn more about the world around you?
- Want to have a leg up for studying STEM/Medicine in College?
- Fast Paced College Chemistry covering everything from the quantum behavior of electrons & atoms to in-depth organic chemistry

Take IB Chemistry!



Dope Labs

[CLICK HERE to learn more about the IB SL & HL Chemistry Exam](#)



Dope Cats



Honors Physics

Honors Physics

This NGSS aligned course investigates physical laws and theories, relationships of physical phenomena, and the interrelationships of physics to other fields of human endeavor. Topics include traditional physics subjects (Newtonian mechanics: dynamics, momentum, energy; electricity and magnetism; waves) along with related subjects in earth science (plate tectonics; earthquake activity) and astronomy (solar evolution).

Corequisite:Geometry A/B



AP Physics 1

The whiteboard contains several physics equations written in black marker. At the top, there is a large, stylized equation that appears to be $\vec{v} = \vec{v}_0 + \vec{a}t$. Below it, on the left, is $v^2 = v_0^2 + 2as$. In the center, there is $PE = mgh$. On the right, there is $F = \frac{3}{4}kx$. At the bottom left, there is $n \times p \times m = 39$. At the bottom right, there is $\frac{2}{3}k = 1$. A teacher's silhouette is on the left, pointing towards the equations. The silhouettes of three students are at the bottom.

Do you...

- Love science?
- Wish to apply logic, intuition?
- Seek AP science fun?
- Look at the world and ask why?
- Make connections with math and science?

Prerequisite: Geometry
Pre- or Corequisite: Algebra 2

Can't wait to learn about...

- Connections between motion and forces
- The physics of yo-yos and spinning objects
- The physics of roller coaster rides
- The physics of skydiving
- How to investigate and write about these concepts through inquiry

[CLICK HERE to learn more about the AP Physics 1 Exam](#)



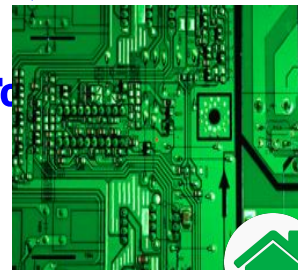


AP Physics C



- **AP Physics C is a fast-paced, rigorous Calculus-based course that is the equivalent to the first two semesters of a college physics offering.**
- **AP Physics C is intended for juniors and seniors who are interested in pursuing engineering, physics or related STEM fields in college.**
- **Students should have completed or be simultaneously enrolled in AB or BC Calculus.**
- **The course is actually divided into two separate courses:**

- **First semester is AP Physics C: Mechanics (Topics include motion, forces, momentum, energy, rotation, gravity, oscillations)**
- **Second semester is AP Physics C: Electricity and Magnetism (Topics include static electricity, circuits, magnetism, induction)**



Curriculum Links:

[AP Mechanics](#)

[AP E&M](#)

[CLICK HERE to learn more about the AP Physics C Exam](#)



IB Physics 1/2

IB Diploma Candidates only.

- IB Physics is a two year course that exposes students to college level physics.
- IB Physics provides a challenging, yet accessible, curriculum that covers the greatest number of physics topics out of all the RM physics offerings.
- Students are prepared for both the SL and HL IB Physics exam.
- Students who would be concurrently enrolled in a Calculus course are also prepared for the AP Physics C Mechanics exam, which can be taken either in the 11th or 12th grade year.
- Class instruction relies heavily on demonstrations of physical phenomena, hands on lab activities, and real world video clips illustrating physics concepts.
- Students ***experience*** the physics concepts they are learning about
- Students are provided quarterly opportunities to practice engineering skills through class engineering competitions
- Possible field trip to an amusement park to provide more learning opportunities.

[CLICK HERE to learn more about the IB SL & HL Physics Exam](#)



Astronomy with Physics

Qtr 1: Interplanetary Motion

- History of Astronomy
- Kepler's Laws
- Forces, Momentum & Energy

- ★ *Are you interested in space?*
- ★ *Do the planets fascinate you?*
- ★ *Do you wonder about stars and galaxies?*
- ★ *Curious about the fate of the universe?*

Qtr 2: Comparative Planetology

- Formation of the Solar System
- Planets and Habitability
- Waves, Thermal, Energy

Learn Physics concepts through the lens of Astronomy!

Qtr 3: Stars and Light

- Electromagnetism
- The Nature of Light
- Our Sun and Nuclear Fusion

- ◆ **11th and 12th graders**
- ◆ **Have completed Chemistry**
- ◆ **Either no previous Physics or after Honors Physics or AP Physics 1**

Qtr 1: Galaxies and the Universe

- The Life Cycle of Stars
- Formation of Galaxies
- The Universe - Birth to Death



AP Environmental Science

Why take AP Enviro?

- Environmental Science is applicable to **EVERYONE!** Everyone's choices have environmental consequences--be informed!
- This course includes opportunity to learn about current events and take personal action to be a better steward of the earth
- There are a wide array of career options related to environmental science including:
 - Environmental Law
 - Environmental Engineering
 - Environmental Education
 - Conservationism
 - Ecology
 - Sustainability

Prerequisite: Biology, completion or concurrent enrollment in chemistry recommended



[CLICK HERE to learn more about the AP Environmental Science Exam](#)





IB Environmental Systems

IB Diploma Candidates only.

- IB Enviro is a one year course that exposes students to many of world's environmental issues.
- Students are thoroughly prepared for the IB Enviro SL exam and are largely prepared for the AP Environmental Science exam (the APES exam will require a small amount of self-study).
- IB Enviro provides many avenues for students to earn their IB Diploma. IB Enviro can serve as a Group 4 subject (science), a Group 3 subject (Indiv. and Societies), or a sixth subject.
- As a single year course, it opens up other possibilities for your schedule planning.
- Class instruction emphasizes field studies during Quarter 1 when the weather is nice, and collaborative student projects and lab activities during Quarters 2 and 3 as the weather turns colder. Video clips and documentaries are frequently incorporated into instruction.
- Students participate in a stream study at Great Falls during the fall as part of an assessment of the local watershed health.



[CLICK HERE to learn more about the IB ESS SL Exam](#)



IB Sports, Exercise and Health Science

IB Sports, Exercise and Health Science

Open to all 11th and 12th grade students. IB Sports Exercise and Health Science courses prepare students to take the International Baccalaureate Sports Exercise and Health Science exam at the standard level. This course is designed to provide students with an understanding of the science of physical performance. Course topics may include anatomy and physiology, biomechanics, psychology and nutrition, and the measurement and evaluation of human performance. This course is not approved for NGSS high school graduation credit.

[CLICK HERE to learn more about the IB Sports, Exercise and Health Science SL & HL Exam](#)



Anatomy and Physiology

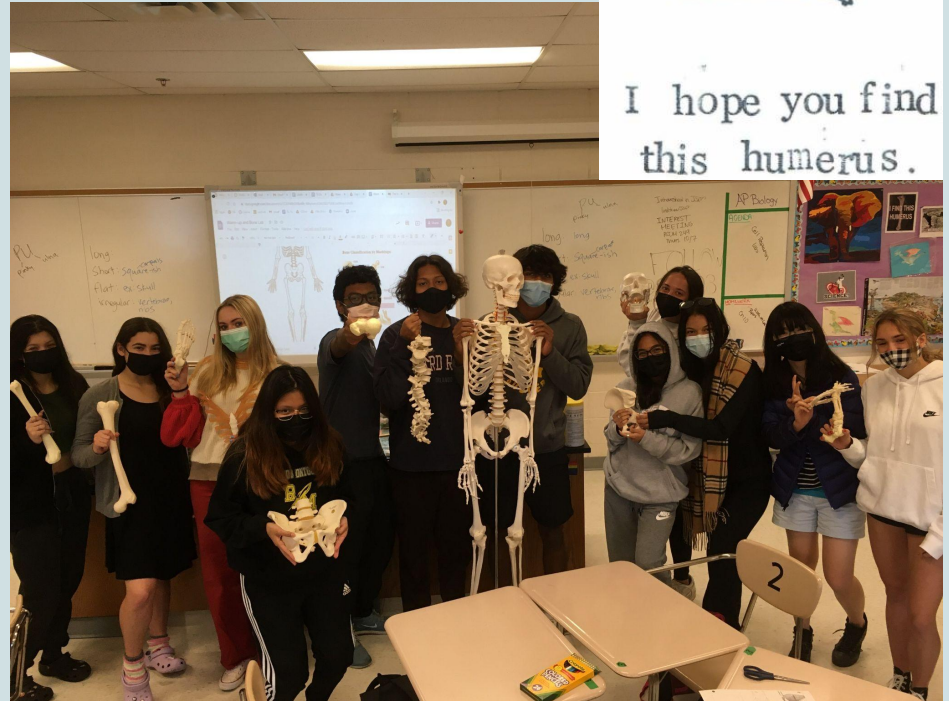
Come learn about bones- it's humerus!

Why take Anatomy?

- You want to learn more about the biology of the human body and how it works!
- You are interested in a career in science or health care!
- You want to do hands-on labs (including dissection!)

Who can take Anatomy?

- 10-12th graders
- Must have passed biology
- Must have taken Chemistry or be enrolled in Chem next year



FORENSIC SCIENCE: (Providing Justice For All)

Do you like to:

- solve puzzles?
- watch CSI crime shows?
- beat Escape Rooms?

Become a part of the growing forensic science family.

Serving justice with the truth.



CSI John et al. solving a mock crime in our RMHS art studio

You will learn to analyze crime scenes, fingerprints, ballistics, arson, DNA, Blood spatter and much much more!

- Prerequisite: Biology
 - Co-requisite: Chem or Physics
 - Open to all but mostly 11/12 grade
 - Full year or just a single semester
- AL=Advanced Level (5 GPA pt for an "A")

Example Activity:

[Digital Crime Scene Virtual Lab](#)



Forensic Identification Examiner - Latent Prints - Non-Merit
Baltimore County, MD
Baltimore, MD (+1 other)
via Glassdoor

7 days ago Full-time



FORENSIC INVESTIGATOR
State of Maryland
Maryland (+1 other)
via LinkedIn

**JOBS
AVAILABLE
RIGHT NOW**
[<click here>](#)



SYLLABUS IS FOUND [HERE](#)

COME JOIN THE FUN SIDE OF SCIENCE !!!

Wildlife Biology (1 semester only)

Wildlife Biology

This introductory course for students interested in wildlife management or zoology includes field study techniques and information about careers in areas of animal science. Topics include statistical tests, wildlife management habitat usage, foraging preference, behaviors, and body morphology to identify organisms. Soil chemical properties and water quality are used to determine the viability of vertebrates and aquatic macroinvertebrates. This course is not NGSS aligned.

Prerequisite: Biology A/B



Social Studies

- [US History A/B](#)
- [Honors US History A/B](#)
- [AP US History A/B](#)
- [NSL Government A/B](#)
- [Honors NSL Government A/B](#)
- [AP US Government and Politics A/B](#)
- [Honors Modern World History A/B](#)
- [AP World History A/B](#)
- [IB History 1A/B](#)
- [IB History 2A/B \(Africa Regional Focus\)](#)
- [IB History 2A/B \(Europe Regional Focus\)](#)
- [IB Economics A/B](#)
- [IB Global Politics A/B](#)
- [IB Philosophy A/B](#)
- [IB Social Anthropology A/B](#)
- [IB TOK 1 w/ Extended Essay A/B](#)
- [IB TOK 1 w/ Extended Essay A/B](#)
- [IB TOK 2 \(first semester only\)](#)
- [AP Human Geography A/B](#)
- [AP Macro/Micro A/B \(AP Econ\)](#)
- [AP Psychology A/B](#)
- [African American History](#) (one semester only)
- [APIDA Studies](#) (one semester only)
- [Hispanic or Latin American Studies](#) (one semester only)
- [Law](#) (one semester only)
- [LGBTQ Studies](#) (one semester only)
- [Sociology 1&2](#)
- [Women's Studies](#) (one semester only)

GRADUATION REQUIREMENT: 3 credits. US History, NSL Government, and Modern World History.



US History/Honors US History

US History/Honors US History

In this course, students will use the Social Studies Literacy Skills, taught and practiced in middle school social studies, with increasing complexity as they explore the history of the modern United States from the Gilded Age to the present. Throughout the course students will examine recurring themes, make connections to the present, and analyze how diverse populations of Americans, including African Americans, Americans with disabilities, Asian Americans, Latinx Americans, LGBTQ+ Americans, Native Americans, and women shaped and were impacted by events. This course is required for graduation.

[Click here to learn about the course differences between on-level and honors.](#)



AP United States History



Study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. You'll analyze texts, visual sources, and other historical evidence and develop historical arguments.

[CLICK HERE to learn more about the AP US History Exam](#)



NSL/Honors NSL

NSL/ Honors NSL

Students will utilize inquiry and literacy skills to develop a deep understanding of the foundation and structures of the U.S. government, evaluate the importance of citizen participation, and analyze the impact of principles, laws, people, and organizations on domestic, foreign, and economic policies that affect our daily lives. Throughout the course, students study contemporary public policy issues while deepening their ability to analyze and evaluate sources and respond to document based questions. This course satisfies the NSL Government graduation requirement.

[Click here to learn about the course differences between on-level and honors.](#)



AP US Government & Politics (NSL)

Study the key concepts and institutions of the political system and culture of the United States. Learn about who votes and who doesn't, how to create political change, the three branches of government, SCOTUS decisions and how they impact your life!



How does government affect you daily?

How can you make REAL change???

Why do we still have the electoral college?

Am I a democrat, Republican, or Independent?

Skills You'll Learn

Connecting political concepts to real-life situations

Explaining the impact and implications of certain U.S. Supreme Court decisions

Analyzing data to find patterns and trends and draw conclusions

Reading and analyzing text and visual sources

Developing a claim or thesis and supporting it in an essay

[CLICK HERE to learn more about the AP US Government & Politics Exam](#)



Honors Modern World History

Honors Modern World History

Throughout the course students examine past world history and draw connections to similar concepts and forces at work today. Students will build an understanding of the complexity of our global relationships. Concept-based instruction, a comparative case study approach, and historical thinking skills are used to frame world history from the 15th century to today. This course is required for graduation.



Are you a rising junior who wants engage in intriguing comparisons of historical phenomena? Consider taking AP World History next year!

AP WORLD HISTORY: MODERN

1

TRADE &
NETWORKS OF
EXCHANGE

2

CULTURE/
BELIEF
SYSTEMS

3

RISE AND FALL
OF EMPIRES

4

REVOLUTIONS

5

IMPERIALISM

6

GLOBAL
CONFLICT

7

COLD WAR
WORLD
RELATIONS

8

DECOLONIZATION

9

GLOBALIZATION

[CLICK HERE to learn more about the AP World History Exam](#)



IB History 1

Fascinating exploration of:

- ***20th Century Topics***
- ***Apartheid in South Africa***
- ***Civil Rights***
- ***Nazi Germany***
- ***China Under Mao***
- ***Indian Independence***
- ***Algerian Independence***
- ***The process of historical investigation.***

***Open to all rising Juniors.
Counts for Modern World
History Credit.***

[CLICK HERE to learn more about the IB History SL Exam](#)



IB History 2: Africa Regional Focus



Topics include:

- African Empires
- Colonialism
- Decolonization
- Post-Colonial States and Societies

Get the IB experience....

HL Option or take it as an elective.

Open to All Seniors

[CLICK HERE to learn more about the IB History HL Exam](#)



IB History 2: Europe Regional Focus



Topics include:

- **Enlightenment French Revolution**
- **Ideology--All of the isms.**
- **World War**
- **Revolution**

Get the IB experience....

HL Option or take it as an elective.

Open to All Seniors

[CLICK HERE to learn more about the IB History HL Exam](#)



IB Economics

*Two semester course
open to all 11th & 12th
graders*



[CLICK HERE to learn more about the IB Economics SL Exam](#)

INQUIRING MINDS INVITED!

Learning economics can help you:

- Ace the IB and AP exams, earning college credit.
- Receive college credit for a course required of majors in; business, the humanities and many other fields.
- Analyze important issues of our time such as climate change, wealth inequality, technology, and the role of government in society.
- Lay the foundation for achieving social change.



IB Global Politics

Open elective for all 11th and 12th graders!

Power, Human Rights, World Poverty, Climate Change, Nuclear Proliferation, Middle East Conflict Simulations, Debates, Inquiry Based Projects

[CLICK HERE to learn more about the IB Global Politics SL Exam](#)



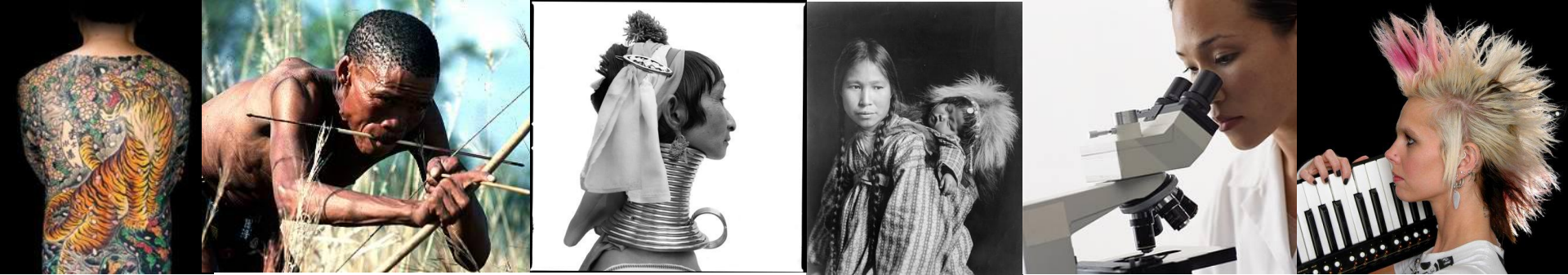
IB Philosophy (IB test is optional)

IB Philosophy is an **active, discussion-based** class that asks you to think about the nature of human existence and the universe. Open to all 11th & 12th graders! We explore, among other things:

- ***The nature of reality**
- ***Personal identity**
- ***Personhood**
- ***Artificial Intelligence and Animal Rights**
- ***Free will**
- ***The nature of Justice**
- ***Moral theory and applied ethics including the issues of poverty and environmental ethics**
- ***The Problem of Evil**
- ***Human suffering**
- ***Existentialism**

[CLICK HERE to learn more about the IB Philosophy SL Exam](#)





IB Social and Cultural Anthropology

ANTHROPOLOGISTS STUDY CULTURAL AND SOCIAL VARIATIONS AMONG DIFFERENT GROUPS OF PEOPLE....

FASCINATING READING AND DEEP DISCUSSION....

YEARLONG COURSE OPEN TO ALL JUNIORS AND SENIORS....

[CLICK HERE to learn more about the IB Social Anthropology SL Exam](#)



Theory of Knowledge 1/Theory of Knowledge 2

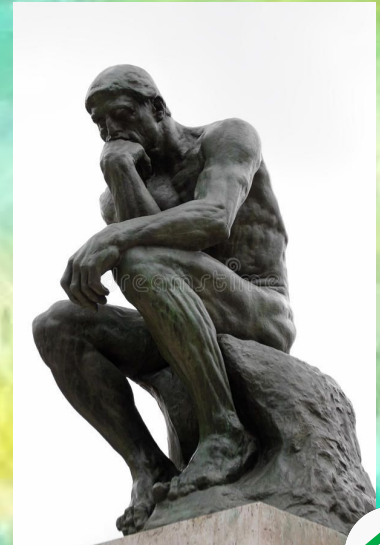


- **Open to all Juniors & Seniors!**
- **3 Semester Course (all year junior year; first semester senior year)**
- **Take all 3 semesters and possibly earn an IB certificate**
- **Take the course junior year and improve your critical thinking, writing and speaking skills**

**In the TOK course, students ask:
“What do I know and how do I know it?”**

If you are a thinker who likes to be challenged, engage in spirited discourse, and improve your writing skills, consider taking TOK!

[CLICK HERE to learn more about Theory of Knowledge](#)



AP HUMAN GEOGRAPHY



Learn more
about yourself
and the world
around you

**Learn
About:**

Religion War Ethnicity
Race Agriculture Language
Urbanization Population Growth

Introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface

How does the land impact how humans have developed and what we do? How do we modify the land and why do we do it?

[CLICK HERE to learn more about the AP Human Geography Exam](#)



COME JOIN US!

Learning economics can help you:

- Ace the AP Macro and AP Micro exams earning TWO college credits.
- Receive college credit for a course required of majors in; business, the humanities and many other fields.
- Analyze important issues such as climate change, wealth inequality, technology, and the role of government in society
- Lay the foundation for achieving social change.
- Improve personal decision-making using economic reasoning.

Suggested grade of C or higher in Algebra 2; Students can take AP Macro without taking Micro, but cannot take AP Micro without Macro.

AP Economics

Semester A – AP Macro

Semester B – AP Micro

Open to all 10th, 11th & 12th graders



[CLICK HERE to learn more about the AP Macro Exam](#)

[CLICK HERE to learn more about the AP Micro Exam](#)



African American History

We'll study & discuss many topics, including:

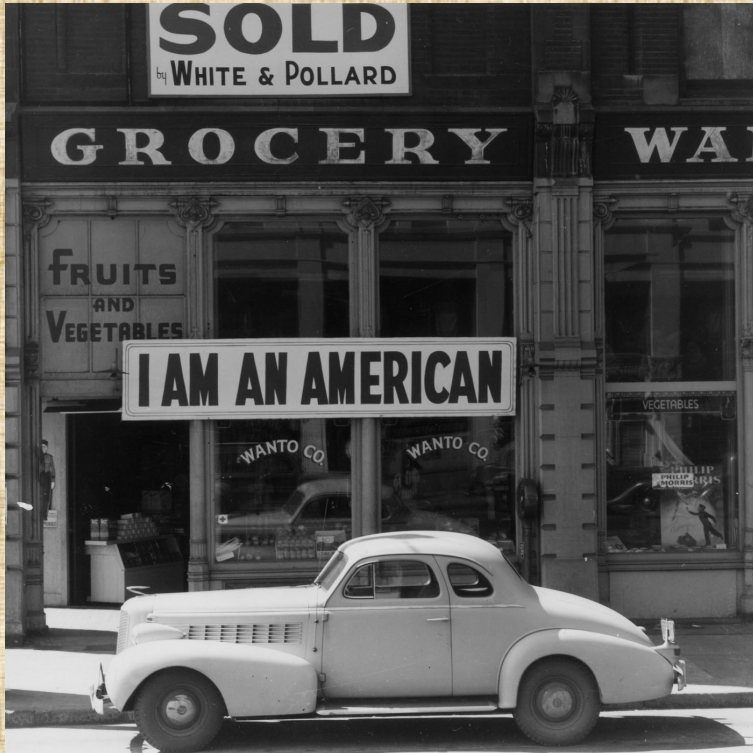
- Africa: The Birthplace of Humanity
- Civil War, Emancipation, & Reconstruction
- Birth & Impact of American Music: Blues, Jazz, Gospel, Motown, & Hip Hop
- The Harlem Renaissance
- Blacks in film and media
- The Civil Rights Movement
- Contemporary Issues

One Semester Elective.

Open to any 10th, 11th, or 12th grade student.



APIDA Studies



*Asian, Pacific-Islander, Desi
American Studies.*

Explore the politics, culture and
history of this diverse group of
Americans.

One Semester Elective.

**Open to 10th, 11th, and 12th grade
students**





HOLA (Hispanic or Latin American) Studies

HOLA stands for “Hispanic or Latino/e American.” Since there is no agreed upon umbrella term for people in the United States whose family origins are from places including Spain, Mexico, Central America, and from countries with varying national languages in the Caribbean and South America.

Students who take a course in HOLA Studies will:

- Develop a deeper sense of belonging in the United States by studying the experiences of other Hispanic/Latino groups throughout American history.
- Build connections between diverse Hispanic/Latino and non-Hispanic/Latino communities by examining the historic and current connections that exist between these diverse groups.

Law

1. **Right to Trial by Jury**
2. **Criminal Procedure Unit**
3. **Class Mock Trials**
4. **Crimes/Defenses**
5. **Capital Punishment**
6. **One Semester elective open to all 10th, 11th, and 12th graders**




LGBTQ~ Studies

Explore....

**Identity, History, Culture, Contemporary Topics
Projects, Presentations, Discussions and more.**

- **Unit 1: Identity**
- **Unit 2: Resistance and Resilience**
- **Unit 3: Culture**
- **Unit 4: Contemporary Topics**

One semester elective open to all 10th, 11th, & 12th graders.



The image shows a digital interface with a task list on the right and a collage of diverse people's faces in the center. The task list includes:

- To Do**
- 1. Grade Unpacking Queer Theory-Read and Categorize 6 statements
6 points • Oct 6 at 11:59pm
- 2. Grade Response to article about Evan Glass
6 points • Oct 15 at 11:59pm
- Coming Up** View Calendar
- Group Jigsaw: 1880's-1919 history
LGBTQ Studies-Fuhrman-S1-2022
10 points • Oct 27 at 11:59pm

At the bottom, there is a task bar with three items: "commodati...pdf", "explain acco...flipchart", and "explain acco...flipchart". A "Show all" button is visible on the right. The system tray at the bottom right shows the time as 2:31 PM on 10/26/2021.



Sociology 1 & 2

Sociology is the study of how social forces affect human behavior.

Full year course. Sociology 1 is a prerequisite to Sociology 2

Open to all 11th & 12th graders



Course Topics

Culture

Crime

Adolescence

Social Class

Race and Ethnicity

Social Movements

Family

Gender

Sports

The Mass Media



Women's Studies

One Semester Course - Open to 9th, 10th, 11th, & 12th grade students

Students will examine the lives of women and the impact women as individuals and as a gender have had on the U.S. and the world.

Course Topics:

- **Gender roles & breaking stereotypes**
- **History of Feminism**
- **Trailblazing Women**
- **Women in the media - movies, music & advertising**
- **Women in the workplace**
- **Women in politics**
- **Human rights**



World Language

- American Sign Language
 - [American Sign Language 1A/B, American Sign Language 2A/B](#)
- Chinese
 - [Chinese 2A/B,](#)
 - [Hon Chinese 3A/B, RMS Chinese 3A/B](#)
 - [Hon Chinese 4A/B, IB Chinese 4A/B](#)
 - [Chinese 5A/B, AP Chinese Language & Culture A/B, IB Chinese 5A/B](#)
 - [IB Chinese 6A/B, IB Chinese 7A/B](#)
- French
 - [French 1A/B, French 2A/B](#)
 - [Hon French 3A/B, RMS French 3A/B](#)
 - [Hon French 4A/B, IB French 4A/B](#)
 - [French 5A/B, AP French Language & Culture A/B, IB French 5A/B](#)
 - [IB French 6A/B, IB French 7A/B](#)
- Latin
 - [Latin 1A/B, Latin 2A/B, Hon Latin 3A/B](#)
 - [Hon Latin 4A/B, AP Latin A/B](#)
- Spanish
 - [Spanish 1A/B, Spanish 2A/B](#)
 - [Hon Spanish 3A/B, RMS Spanish 3A/B](#)
 - [Hon Spanish 4A/B, IB Spanish 4A/B](#)
 - [Spanish 5A/B, AP Spanish Language & Culture A/B, IB Spanish 5A/B](#)
 - [IB Spanish 6A/B, IB Spanish 7A/B](#)
 - [Spanish for Spanish Speakers 1A/B, Spanish for Spanish Speakers 2A/B, Spanish for Spanish Speakers 3A/B](#)

GRADUATION REQUIREMENT (if using as a program completer):

- Class of 2024: 2 credits in any language
- Class of 2025 and later: 2 credits in the SAME language



American Sign Language



Students will use American Sign Language to communicate about daily life with basic vocabulary and simple grammatical structures. They explore the cultural and linguistic heritage of the Deaf community and its influence.

Level 1 A/B

Units of Study: Welcome, Clothing, Family, Food, School, Community, Free time, Story telling

Prerequisite: None

Level 2 A/B

Units of Study: Housing, Cooking, Travel, Environment, Life events, Health, well-being, Story telling.

Prerequisite: ASL 1A/B

Level 3 A/B

Units of Study: Rights & Responsibilities, Work, Deaf Community, Arts, World Abroad, Story telling

Prerequisite: ASL 2A/B

Chinese 2 A/B

The background features a traditional Chinese ink wash painting style illustration. At the top, there are stylized mountains and a red seal with Chinese characters. Below the seal, there are blue-green trees and plants. The bottom section shows a more detailed landscape with green foliage, white flowers, and a small yellow flower.

Students expand their ability to communicate orally and in writing in a culturally appropriate manner about topics related to daily life. They interpret information when listening and reading. Vocabulary and grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

Units of Study: People around me, Occupations, Wellness, Festivals, School & Restaurant

Prerequisite: Chinese 1 A/B

[Click here to learn about the pathways to recognition through world languages courses](#)

Chinese 3 A/B, Honors, and RMS

[Click here to learn about the pathways to recognition through world languages courses](#)

Chinese 3 A/B on-level/honors

Students continue to expand their ability to communicate orally and in writing in a culturally appropriate manner about a variety of familiar topics. They interpret detailed information when listening and reading. Vocabulary and more complex grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

Units of Study: House, Past times & Weather, Clothing & Shopping, Community, Transportation & Travel

Prerequisites: Chinese 2A/B

RMS Chinese 3 A/B IB DP Candidates only

Students develop higher-level language skills and vocabulary needed for increased proficiency in oral and written expression, listening, and reading comprehension in order to begin preparation for the IB Language B SL and HL exams. Students master the MCPS Level 3 world language curriculum with the IB themes integrated.

Units of Study: House, Past times & Weather, Clothing & Shopping, Community, Transportation & Travel

Prerequisites: Chinese 2A/B

[Click here to learn more about the differences in Honors and On-level](#)

[Click here to learn more about our Language B SL or HL exams](#)

Chinese 4 A/B Honors and IB

[Click here to learn about the pathways to recognition through world languages courses](#)

Honors Chinese 4 A/B

Students communicate orally and in writing with increased proficiency in a culturally appropriate manner about a range of topics. They interpret detailed and extended information when listening and reading. Vocabulary and complex linguistic structures are taught within the context of these topics. Culture is embedded throughout the course.

Themes: Identity, Creativity, Perspective, & Change

Prerequisites: Chinese 3 A/B

IB Chinese 4 A/B Open to all students

IB Level 4 world language courses comprise the first year of a two-year sequence to prepare students for the standard-level IB world language exam. Students strengthen their knowledge and fluency in oral and written language and broaden their understanding of culture and civilization. Composition objectives for specific writing assignments are correlated with literature, culture, and civilization topics.

Themes: Identity, Creativity, Perspective, Change, & Additional IB themes

Prerequisites: Chinese 3 A/B

[Click here to learn more about the differences in Honors and IB](#)

[Click here to learn more about our Language B SL or HL exams](#)

Chinese 5 A/B , IB, and AP

[Click here to learn about the pathways to recognition through world languages courses](#)

Chinese 5 A/B

Open to 10th, 11th & 12th grade students

Students continue to increase their proficiency in communicating orally and in writing in a culturally appropriate manner about a broad range of topics. They interpret complex information when listening and reading. Vocabulary and a variety of complex linguistic structures are taught within the context of these topics. Culture is embedded throughout the course.

Themes: Identity, Creativity, Perspective, & Change

Prerequisites: Chinese 4 A/B

IB Chinese 5 A/B

Open to 10th, 11th & 12th grade students

Students complete their preparation for the standard-level IB. Emphasis is placed on reading comprehension, interpretation, analysis, and oral proficiency. Students analyze a wide variety of spoken and written materials and life and civilization in pertinent countries.

Themes: Identity, Creativity, Perspective, Change, & Additional IB themes

Prerequisites: Chinese 4 A/B

AP Chinese 5 A/B

Open to 10th, 11th & 12th grade students

These courses are for world languages students interested in college-level work. The courses link language and culture while developing students' proficiency in speaking, listening, reading, and writing. Students read, discuss, and react to a variety of texts orally and in writing in preparation for the Advanced Placement Examination.

Themes: Identity, Creativity, Perspective, Change, & Additional AP themes

Prerequisites: Chinese 4 A/B

[Click here to learn more about the course differences](#)

[Click here to learn more about our Language B SL or HL exams](#)

[Click here to learn more about the AP Chinese Language and Culture Exam](#)

IB Chinese 6 & IB Chinese 7

IB Chinese 6 A/B

Open to all 11th/12th grade students

Instruction in IB Level 6 world language courses emphasizes critical analysis of the structural and stylistic characteristics of works, composing well-constructed extended essays, oral proficiency at the near-native level, and continued in-depth study of the life and civilization of pertinent countries. Students are prepared for the higher-level IB exam.

Prerequisites: Chinese 5 A/B

[Click here to learn more about our Language B SL or HL exams](#)

IB Chinese 7 A/B

Open to all 12th grade students

Students continue to develop their reading and writing skills in preparation for the IB higher level language examination.

Prerequisites: IB Chinese 6 A/B

[Click here to learn about the pathways to recognition through world languages courses](#)

French 1 A/B and French 2 A/B

French 1 A/B

Students begin to learn to communicate orally and in writing in a culturally appropriate manner about topics related to daily life. They interpret basic information when listening and reading. Vocabulary and basic grammatical structures are taught within the context of these familiar topics. Culture is embedded throughout the course.

Units of Study: Welcome, Likes, Family, School, Past times, Food, Clothing & Home

Prerequisites: None

French 2 A/B

Students expand their ability to communicate orally and in writing in a culturally appropriate manner about topics related to daily life. They interpret information when listening and reading. Vocabulary and grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

Units of Study: Friends/Family, Parties, Groceries, School, Routines, When I was young, Camping & Feelings

Prerequisite: French 1 A/B

[Click here to learn about the pathways to recognition through world languages courses](#)

French Level 3 A/B , Honors, & RMS

[Click here to learn about the pathways to recognition through world languages courses](#)

French 3 A/B on-level/honors

Students continue to expand their ability to communicate orally and in writing in a culturally appropriate manner about a variety of familiar topics. They interpret detailed information when listening and reading. Vocabulary and more complex grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

Units of Study: School, Work, Friends & Family, Outdoors, News, Ecology, Travel & Arts

Prerequisites: French 2A/B

[Click here to learn more about the differences in Honors and On-level](#)

RMS French 3 A/B IB DP Candidates only

Students develop higher-level language skills and vocabulary needed for increased proficiency in oral and written expression, listening, and reading comprehension in order to begin preparation for the IB Language B SL and HL exams. Students master the MCPS Level 3 world language curriculum with the IB themes integrated.

Units of Study: School, Work, Friends & Family, Outdoors, News, Ecology, Travel & Arts

Prerequisites: French 2A/B

[Click here to learn more about our Language B SL or HL exams](#)

French Level 4- Honors and IB

Honors French 4 A/B

Students communicate orally and in writing with increased proficiency in a culturally appropriate manner about a range of topics. They interpret detailed and extended information when listening and reading. Vocabulary and complex linguistic structures are taught within the context of these topics. Culture is embedded throughout the course.

Themes: Identity, Discovery & History, Change & Creativity

Prerequisites: French 3 A/B

[Click here to learn about the pathways to recognition through world languages courses](#)

IB French 4 A/B Open to all students

IB Level 4 world language courses comprise the first year of a two-year sequence to prepare students for the standard-level IB world language exam. Students strengthen their knowledge and fluency in oral and written language and broaden their understanding of culture and civilization. Composition objectives for specific writing assignments are correlated with literature, culture, and civilization topics.

Themes: Identity, Discovery & History, Change & Creativity & Additional IB Themes

Prerequisites: French 3 A/B

[Click here to learn more about the differences in Honors and IB](#)

[Click here to learn more about our Language B SL or HL exams](#)

French 5 A/B, IB, and AP

French 5 A/B

Open to 10th, 11th & 12th grade students

Students continue to increase their proficiency in communicating orally and in writing in a culturally appropriate manner about a broad range of topics. They interpret complex information when listening and reading. Vocabulary and a variety of complex linguistic structures are taught within the context of these topics. Culture is embedded throughout the course.

Themes: Identity, Discovery & History, Change & Creativity

Prerequisites: French 4 A/B

[Click here to learn more about the course differences](#)

[Click here to learn about the pathways to recognition through world languages courses](#)

IB French 5 A/B

Open to 10th, 11th & 12th grade students

Students complete their preparation for the standard-level IB. Emphasis is placed on reading comprehension, interpretation, analysis, and oral proficiency. Students analyze a wide variety of spoken and written materials and life and civilization in pertinent countries.

Themes: Identity, Discovery & History, Change & Creativity & Additional IB Themes

Prerequisites: French 4 A/B

[Click here to learn more about our Language B SL or HL exams](#)

AP French 5 A/B

Open to 10th, 11th & 12th grade students

These courses are for world languages students interested in college-level work. The courses link language and culture while developing students' proficiency in speaking, listening, reading, and writing. Students read, discuss, and react to a variety of texts orally and in writing in preparation for the Advanced Placement Examination.

Themes: Identity, Discovery & History, Change & Creativity & Additional AP Themes

Prerequisites: French 4 A/B

[Click here to learn more about the AP French Language and Culture Exam](#)

IB French 6 A/B and IB French 7 A/B

IB French 6 A/B

Open to all 11th/12th grade students

Instruction in IB Level 6 world language courses emphasizes critical analysis of the structural and stylistic characteristics of works, composing well-constructed extended essays, oral proficiency at the near-native level, and continued in-depth study of the life and civilization of pertinent countries. Students are prepared for the higher-level IB exam.

Prerequisites: French 5 A/B

[Click here to learn more about our Language B SL or HL exams](#)

IB French 7 A/B

Open to all 12th grade students

Students continue to develop their reading and writing skills in preparation for the IB higher level language examination.

Prerequisites: IB French 6 A/B

[Click here to learn about the pathways to recognition through world languages courses](#)

Latin

As students progress through the sequence of Latin courses, they build a foundation of Latin vocabulary and grammar. They study aspects of Roman life and history and the works of major authors such as Cicero, Pliny, Horace, Ovid, Tibullus, or Plautus.

Latin 1 A/B

Students will read, understand, and interpret Latin. Students will orally use, listen to, and write Latin as part of the language learning process. Connections to other disciplines will be made to expand linguistic and cultural knowledge.

Prerequisite: None

Latin 2 A/B

Students will read, understand, and interpret Latin. Students will continue to orally use, listen to, and write Latin as part of the language learning process. Connections to other disciplines will continue to be made to expand linguistic and cultural knowledge.

Prerequisite: Latin 1 A/B

Honors Latin 3 A/B

Students will comprehend and interpret adapted and authentic Latin based on a variety of topics. Students reinforce and broaden their knowledge of connections between Latin and other subject areas. Students will continue to orally use, listen to, and write Latin as part of the language learning process.

Prerequisite: Latin 2 A/B

Latin

As students progress through the sequence of Latin courses, they build a foundation of Latin vocabulary and grammar. They study aspects of Roman life and history and the works of major authors such as Cicero, Pliny, Horace, Ovid, Tibullus, or Plautus.

Honors Latin 4 A/B

Students read and comprehend prose and/or poetry of selected authors with appropriate assistance. Students will examine the interrelationship among perspectives, practices, and products of Greco-Roman civilization gained from their reading of Latin texts & use their knowledge of Latin in a multi-faceted world. Students will continue to orally use, listen to, and write Latin as part of the language learning process.

Prerequisite: Latin 3 A/B

AP Latin 5 A/B

In preparation for the AP Vergil exam, students translate the Aeneid from Latin into English, analyzing Vergil's style as well as studying the cultural, social, and political context of the literature. Students read and comprehend prose and/or poetry of selected authors. Students will examine the interrelationship among perspectives, practices, and products of Greco-Roman civilization gained from their reading of Latin texts & use their knowledge of Latin in a multi-faceted world. Students will continue to orally use, listen to, and write Latin as part of the language learning process.

Prerequisite: Latin 4 A/B

[Click here to learn more about the AP Latin exam](#)

Spanish 1 A/B and Spanish 2 A/B

Spanish 1 A/B

Students begin to learn to communicate orally and in writing in a culturally appropriate manner about topics related to daily life. They interpret basic information when listening and reading. Vocabulary and basic grammatical structures are taught within the context of these familiar topics. Culture is embedded throughout the course.

Units of Study: Welcome, Likes, School, Home Life, Food, Free time & Vacations

Prerequisites: None

Spanish 2 A/B

Students expand their ability to communicate orally and in writing in a culturally appropriate manner about topics related to daily life. They interpret information when listening and reading. Vocabulary and grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

Units of Study: School, Routines, Community, Cooking, Past Times & Trips

Prerequisite: Spanish 1 A/B

[Click here to learn about the pathways to recognition through world languages courses](#)

Spanish 3 A/B, Honors, and RMS

[Click here to learn about the pathways to recognition through world languages courses](#)

Spanish 3 A/B on-level/honors

Students continue to expand their ability to communicate orally and in writing in a culturally appropriate manner about a variety of familiar topics. They interpret detailed information when listening and reading. Vocabulary and more complex grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

Units of Study: Identity, technology, Health, environment, professions & social change

Prerequisites: Spanish 2A/B

RMS Spanish 3 A/B IB DP Candidates only

Students develop higher-level language skills and vocabulary needed for increased proficiency in oral and written expression, listening, and reading comprehension in order to begin preparation for the IB Language B SL and HL exams. Students master the MCPS Level 3 world language curriculum with the IB themes integrated.

Units of Study: Identity, technology, Health, environment, professions & social change

Prerequisites: Spanish 2A/B

[Click here to learn more about the differences in Honors and On-level](#)

[Click here to learn more about our Language B SL or HL exams](#)

Spanish 4 A/B Honors and IB

[Click here to learn about the pathways to recognition through world languages courses](#)

Honors Spanish 4 A/B

Students communicate orally and in writing with increased proficiency in a culturally appropriate manner about a range of topics. They interpret detailed and extended information when listening and reading. Vocabulary and complex linguistic structures are taught within the context of these topics. Culture is embedded throughout the course.

Themes: Identity, Creativity, Discovery, & Change

Prerequisites: Spanish 3 A/B

IB Spanish 4 A/B Open to all students

IB Level 4 world language courses comprise the first year of a two-year sequence to prepare students for the standard-level IB world language exam. Students strengthen their knowledge and fluency in oral and written language and broaden their understanding of culture and civilization. Composition objectives for specific writing assignments are correlated with literature, culture, and civilization topics.

Themes: Identity, Creativity, Discovery, & Change & Additional IB Themes

Prerequisites: Spanish 3 A/B

[Click here to learn more about the differences in Honors and IB](#)

[Click here to learn more about our Language B SL or HL exams](#)

Spanish 5 A/B, IB, and AP

[Click here to learn about the pathways to recognition through world languages courses](#)

Spanish 5 A/B

Open to 10th, 11th & 12th grade students

Students continue to increase their proficiency in communicating orally and in writing in a culturally appropriate manner about a broad range of topics. They interpret complex information when listening and reading. Vocabulary and a variety of complex linguistic structures are taught within the context of these topics. Culture is embedded throughout the course.

Themes: Identity, Creativity, Discovery, & Change

Prerequisites: Spanish 4 A/B or Spanish for Spanish Speakers 3 A/B

IB Spanish 5 A/B

Open to 10th, 11th & 12th grade students

Students complete their preparation for the standard-level IB. Emphasis is placed on reading comprehension, interpretation, analysis, and oral proficiency. Students analyze a wide variety of spoken and written materials and life and civilization in pertinent countries.

Themes: Identity, Creativity, Discovery, & Change & Additional IB Themes

Prerequisites: Spanish 4 A/B or Spanish for Spanish Speakers 3 A/B

AP Spanish 5 A/B

Open to 10th, 11th & 12th grade students

These courses are for world languages students interested in college-level work. The courses link language and culture while developing students' proficiency in speaking, listening, reading, and writing. Students read, discuss, and react to a variety of texts orally and in writing in preparation for the Advanced Placement Examination.

Themes: Identity, Creativity, Discovery, & Change & Additional AP Themes

Prerequisites: Spanish 4 A/B or Spanish for Spanish Speakers 3 A/B

[Click here to learn more about the course differences](#)

[Click here to learn more about our Language B SL or HL exams](#)

[Click here to learn more about the AP Spanish Language and Culture Exam](#)

IB Spanish 6 A/B and IB Spanish 7 A/B

IB Spanish 6 A/B

Open to all 11th/12th grade students

Instruction in IB Level 6 world language courses emphasizes critical analysis of the structural and stylistic characteristics of works, composing well-constructed extended essays, oral proficiency at the near-native level, and continued in-depth study of the life and civilization of pertinent countries. Students are prepared for the higher-level IB exam.

Prerequisites: Spanish 5 A/B

IB Spanish 7 A/B

Open to all 12th grade students

Students continue to develop their reading and writing skills in preparation for the IB higher level language examination.

Prerequisites: IB Spanish 6 A/B

[Click here to learn more about our Language B SL or HL exams](#)

[Click here to learn about the pathways to recognition through world languages courses](#)

Spanish for Spanish Speakers

[Click here to learn about the pathways to recognition through world languages courses](#)

Spanish for Spanish Speakers 1 A/B

Spanish for Spanish Speakers provides language instruction for students with proficiency in Spanish, either because it is their first language or is spoken extensively in the home. Each course integrates history, culture, language, and connections related to the Spanish-speaking world.

Prerequisite: placement test

Spanish for Spanish Speakers 2 A/B

Spanish for Spanish Speakers provides language instruction for students with proficiency in Spanish, either because it is their first language or is spoken extensively in the home. Each course integrates history, culture, language, and connections related to the Spanish-speaking world.

Prerequisite: Spanish for Spanish Speakers 1 A/B

Spanish for Spanish Speakers 3 A/B

Spanish for Spanish Speakers provides language instruction for students with proficiency in Spanish, either because it is their first language or is spoken extensively in the home. Each course integrates history, culture, language, and connections related to the Spanish-speaking world. Spanish for Spanish Speakers 3 is an advanced-level course designed to begin to prepare students for the Advanced Placement Spanish Language.

Prerequisite: Spanish for Spanish Speakers 2 A/B

Computer Science/Technology

- +*Foundations of Technology A/B
- +*Foundations of Computer Science A/B
- +*AP Computer Science Principles A/B
- *AP Computer Science JAVA A/B
- Computer Programming 1A/B
- Website Development A/B
- *IB Computer Science 1A/B
- +Engineering Design A/B
- +^Adv Design Applications A/B
- +^Adv Technological Applications A/B

**Satisfies the Technology Education (TE) graduation requirement.*

^Satisfies the Technology Education (TE) graduation requirement if not being used as a part of a Program of Study

+Can be used as a part of RMHS's 4 year Advanced Technology Program of Study

GRADUATION REQUIREMENT: 1 Technology Education (TE) credit



Foundations of Technology

Foundations of Technology

Technological Processes courses provide students with the opportunity to focus on one or more areas of industrial technology applying technological processes to solve real problems and developing the knowledge and skills to design modify use and apply technology appropriately Students may examine case studies explore simulations or design and build prototypes and working models.

Tech Ed Credit



Foundations of Computer Science

Foundations of Computer Science TE

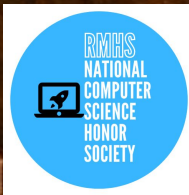
Exploring Computer Science courses present students with the conceptual underpinnings of computer science through an exploration of human computer interaction web design computer programming data modeling and robotics while these courses include programming the focus is on the computational practices associated with doing computer science rather than just a narrow focus on coding syntax and tools.

Tech Ed Credit



AP Computer Science Principles

Tech Ed Credit



Earn Tech Credit While Learning:



All the Basics of Computer Science

**AP Passage Rate:
86% as of Spring
2021**

**Learn about how
Apps and the
Internet work**

**Earn AP
Credit**

Topics Covered:

- Digital Information
- The Internet
- Introduction to App Design
- Variables, Functions and Conditionals
- Lists, Loops and Traversals
- Algorithms
- Parameters, Return and Libraries
- Data
- Cybersecurity and Global Impacts

**Learn to Program in JavaScript
and Create Your Own Apps**

[CLICK HERE to learn more about the AP Computer Science Principles Exam](#)



AP Computer Science JAVA

Tech Ed Credit



Computer science is fundamental for every student's success

Six different studies show: children who study computer science...

perform better in
other subjects



excel at
problem-solving



are 17% more likely
to attend college



The apps on my phone is so cool, how do they do that?

- Come check out CS
- Coding is fun and empowering

Prerequisite: Computer Programming 1 A/B or AP Computer Science Principles A/B (or teacher approval)

[CLICK HERE to learn more about the AP Computer Science JAVA Exam](#)



Computer Programming 1

Computer Programming 1

This course introduces the basic principles of structured programming, within the context of an object-oriented language. Topics covered include fundamentals of programming languages, such as Python and Java, simple and structured data types, control statements, functions, arrays, and classes. Emphasis is placed on developing effective problem-solving techniques through individual and team projects.

Corequisite: Geometry or Honors Geometry



Website Development

C O
D E



Check Out
How To:

*Learn to Create Your Own Websites
using HTML, CSS and Javascript*

Learn about how the
Internet plays a role in
everyday society, both
personal and business

For
students
grades
10-12

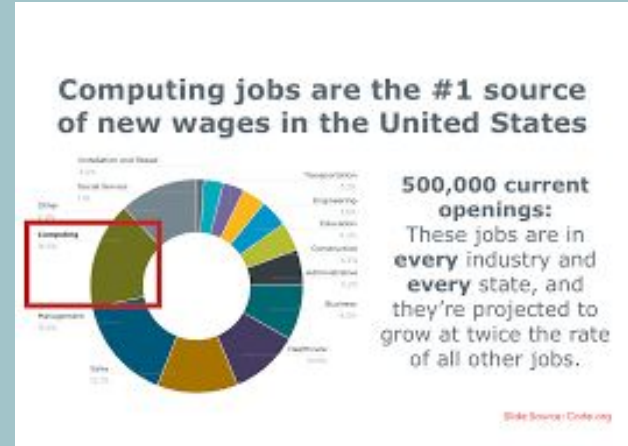
Computer
Science
Elective



Learn skills to find a job, create/start a business,
continue learning Computer Science



IB Computer Science 1



Come check out CS:

- 67% of all new jobs in STEM are in Computer Science
 - Get college ready
 - Learn about enforcing security
 - So much more than coding
 - Tech Ed Credit

PREREQUISITE: Computer programming 1 or AP JAVA **AND** Foundations of Computer science or AP Comp Science Principles

[CLICK HERE to learn more about the IB Computer Science SL Exam](#)



Engineering Design

Come check out how to:

- Learn about what engineers do
- Learn what it is like to think like an engineer
- All types of engineering are represented in this class.

Prerequisite: Completion of Basic Tech Ed Credit



DIY water filter

Design a new shoe



ADA!

Advanced Design Applications

Come check out how to:

- Build, build, build!
- Use engineering to solve all types of problems
- Be rich and retire early! (well... sort of)

Prerequisite: Completion of Engineering Design or RT approval



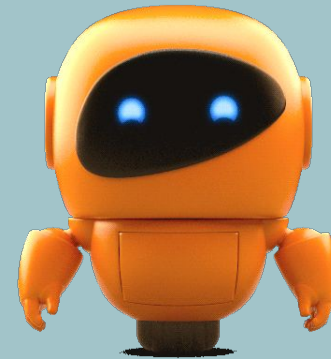


Advanced Technological Applications (ATA)

Come get hands on experience with some amazing topics like:

- Cybersecurity
- Information Technology
- Robotics
- And more!!!

Prerequisite: Completion of Engineering Design or RT approval



Other Electives at RMHS

- Applied Leadership w/ SSL (student aid)
- Internship A/B (SP, DP, or TP)
- Personal Finance (one semester only)
- Rocket Teaching Assistant (RTA)
- Student Leadership A/B (application only)
- TV Production/RMBC A/B (application only)



Applied Leadership with SSL (Student Aid)

Applied Leadership with SSL/Student Aid form - must be completed and returned to your counselor. Hard copies are available in the counseling office.

The Applied Educational Leadership SSL course is designed for students who are on track to graduate on or ahead of time. Students are approved and assigned to work with school staff to build and apply skills in communication, organization, collaboration, and leadership through service and work-based experiences while supporting peers and school-based staff. Under the direction of the approved staff member, students are required to submit weekly reflections to this Canvas course. The AEL SSL course is an in-school leadership experience and allows students to earn 5 Student Service Learning (SSL) hours per semester. Credit is not earned for student aiding.



INTERNSHIP, EMPLOYMENT AND APPRENTICESHIPS

A cartoon illustration of Homer Simpson standing in a control room, looking surprised. He is wearing a white short-sleeved shirt, a brown tie, and blue pants. The control room has various panels, buttons, and screens.

1. Do you have an internship or job?

If you answered "Yes" to any of these questions and you are going to be a senior on pace to graduate,

2. Do you want an internship or job?

3. Do you want to get off school as early as lunch?

YOU CAN EARN class credits
Register for "Internship"

4. Do you want to build up your resume with *real world* experiences that colleges and future employers prefer?

See Mr. Breslaw for more info in Portable 2 or email david.breslaw@mcpsmd.net

Personal Finance (one semester only)

Personal Finance

This course is designed to help students identify and learn personal strategies for managing financial resources.

Investment simulations are used to focus on the importance of managing funds and investing wisely. Topics include consumerism, personal finance, credit, and investment planning.



Rocket Teaching Assistant (RTA) - application only

[Rocket Teacher Assistant Application](#) -
click to apply!

The Applied Educational Leadership course is designed for students who are on track to graduate on or ahead of time. Students are approved and assigned to work with school staff to build and apply skills in communication, organization, collaboration, and leadership through service and work-based experiences while supporting peers and school-based staff. Under the direction of the approved staff member, students will attend seminars and complete periodic reflections on their in-class experiences. The AEL course is an in-school leadership experience and allows students to earn a grade and 0.5 elective course credit per semester.



Student Leadership - **application only**

This course is designed to strengthen students personal and group leadership skills. Typically intended for students involved in Student Government Association (SGA). This course may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures organization and management and group dynamics

Interested? Fill out the [Student Leadership Application - make a copy and return to Ms. Furr or Mr. Hinsvark](#)





TV Production is RMBC - application only



[Click here to apply for RMBC! Make a copy of the application and return to Mr. Rodney](#)



Art/Theatre/Film

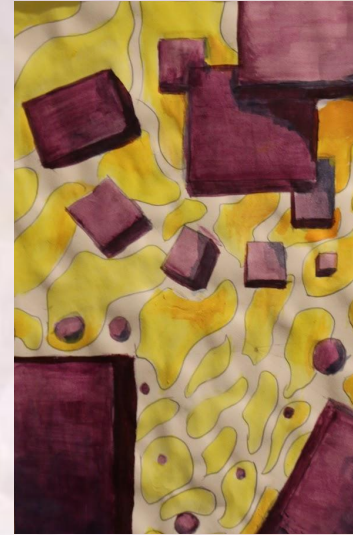
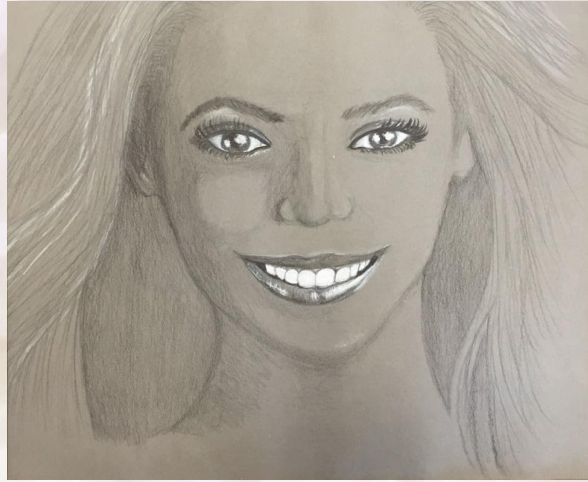
- [Foundations of Art & Culture A/B](#)
- [Functional Fine Art & Craft A/B](#)
- [2-D Studio Art A/B](#)
- [Studio Art 2A/B](#)
- [Student Art 3 A/B](#)
- [Adv Painting 2A/B](#)
- [Ceramic Sculpture 1A/B](#)
- [Advanced Ceramic Sculpture 2A/B](#)
- [Advanced Ceramic Sculpture 3A/B](#)
- [Advanced Ceramic Sculpture 4A/B](#)
- [Digital Art 1A/B](#)
- [Photography 1A/B](#)
- [Photography 2A/B](#)
- [Adv Photography 3A/B](#)
- [Adv Photography 4A/B](#)
- [AP Studio Art 2-D A/B](#)
- [AP Art 2D Design Double Period A/B](#)
- [IB Art & Design 1](#)
- [IB Art & Design 2](#)
- [AP Art History](#)
- [Theatre 1A/B](#)
- [Theatre 2A/B](#)
- [IB Theatre 1A/B](#)
- [IB Theatre 2A/B](#)
- [IB Film 1A/B](#)
- [IB Film 2A/B](#)

GRADUATION REQUIREMENT: 1 credit



Foundations of Art & Culture

- **Can be taken as a semester course**
- Focus is on 2-D & 3-D Art
- Explore all different Artistic mediums (painting/drawing/sculpture)



Functional Fine Art and Craft

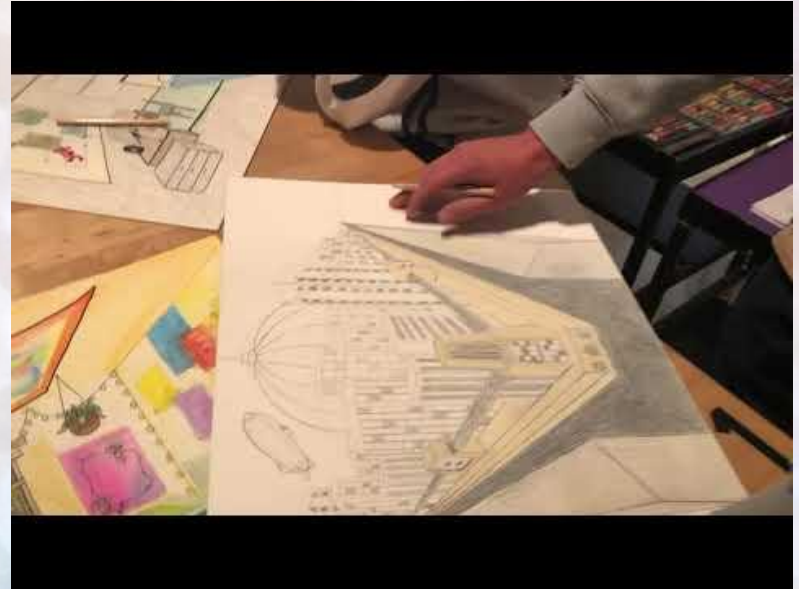
- **Make functional artwork**
- **Work with a variety of materials-paint, paper, yarn, sewing, and more!**
- **Projects include but are not limited to: basketry, tapestry, bookmaking, jewelry, embroidery, and more!**



2D STUDIO ART I + 2D ADVANCED 2D STUDIO ART 2***

(***Pre-requisites: 2D Studio Art 1)

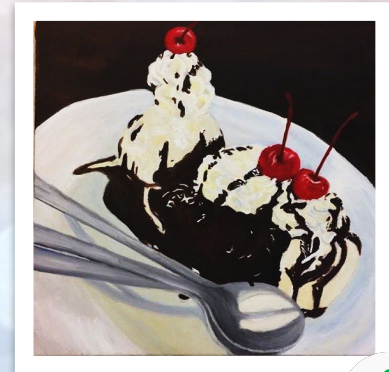
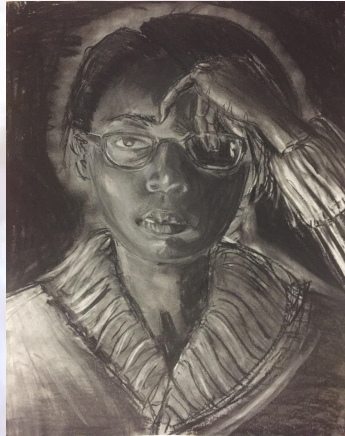
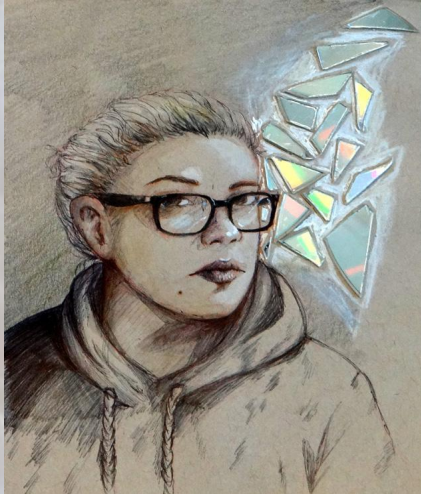
*If you love art and want to Be
in A chill Atmosphere making
Different projects and
expanding your technical
skills while being creative And
HAVE a BANGING portfolio-
then listen to these
testimonials from students!*



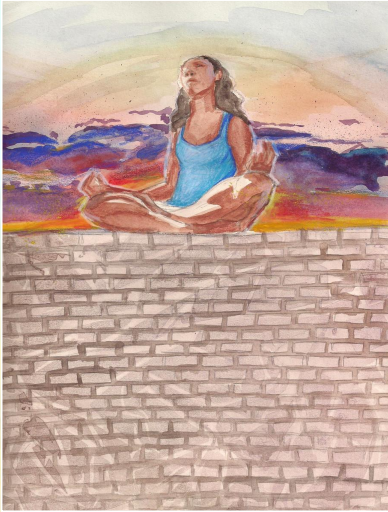
STUDIO ART 3

Prerequisite: 2-D Studio Art 2 A/B

Students synthesize adapt and use media, techniques, and processes to develop a personal style and voice. Communicate meaning with critical thinking skills focusing on inquiry in art.

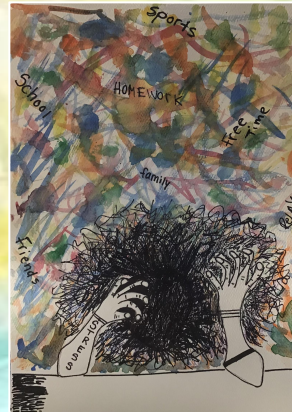
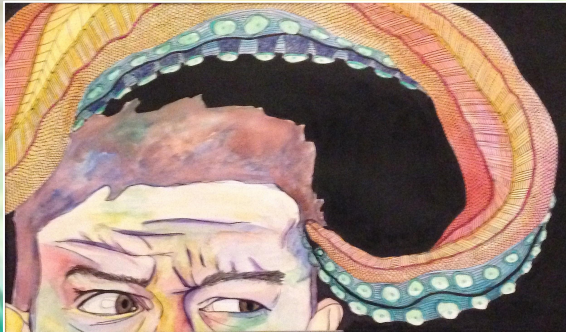


ADV. PAINTING 2



Prerequisite: Foundations of Art & Culture or 2-D Studio Art 1

Study composition, form, and color, to create personal artworks with a variety of wet media and surfaces. Historical and contemporary painting styles are investigated; In the second semester, students may elect to concentrate on a preferred painting medium such as watercolor, tempera, acrylic or water-based oils.



CERAMIC/ SCULPTURE 1

Students learn basic hand-building techniques and glazing processes. Included are the composition and general characteristics of clay bodies, safe studio practices, craftsmanship, and surveys of significant styles in pottery and ceramic sculpture. An introduction to the wheel may be presented. Ceramics 1B focuses on sculptural processes using a variety of materials and techniques. Writing and thinking skills are reinforced through journal writing.



CERAMIC/SCULPTURE 2

Students create original artwork inspired by natural and historically significant ceramic forms. Students study the formulation and firing characteristics of basic glazes, additional techniques for throwing on the pottery wheel, kiln theory, craftsmanship and safe studio practices. Students apply decoration techniques such as using overglazes, underglazes, and patina methods and learn to stack and monitor the kiln.

Prerequisite: Ceramics/Sculpture 1 A/B





Ceramic/SCULPTURE 3

Students study the works of contemporary potters and sculptors in terms of form, finish, and conceptual statement. Students create a series of forms that reflect a common source or theme. They combine hand-made and wheel-thrown clay forms to create pottery or sculpture that reflects personal meaning. Writing and thinking skills are reinforced through journaling. Group critiques are conducted. Health hazards are reviewed.

Prerequisite: Ceramics/Sculpture 2 A/B



CERAMIC/SCULPTURE 4

Students will synthesize and adapt approaches to using ceramic and sculpture media, techniques, and processes to develop a personal style and voice. They will pursue an artistic investigation to create a body of three-dimensional artwork that expresses personal voice by exploring perceptions, experiences, and knowledge. Students will discover how ceramic artists and sculptors often work in collective studios and develop a collegial environment that thrives on giving and receiving constructive criticism. Writing, academic language, and critical-thinking skills are developed through artist statements, critiques and the close reading of artworks as text.

Prerequisite: Ceramics/Sculpture 3 A/B





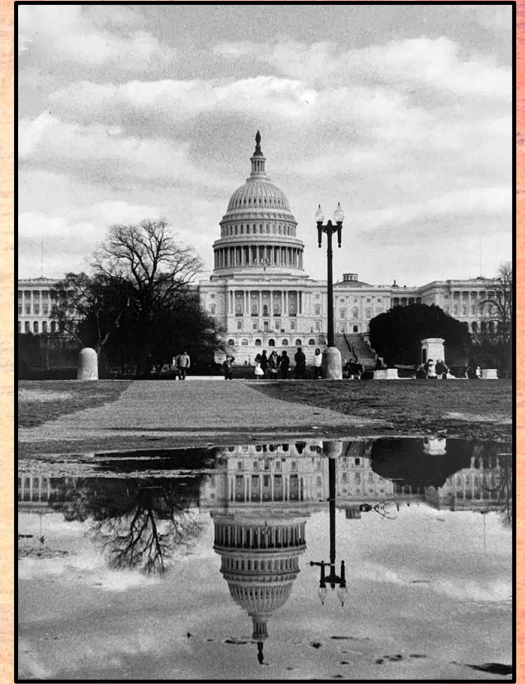
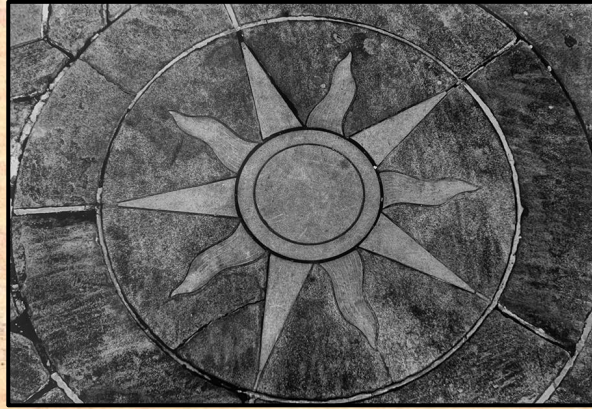
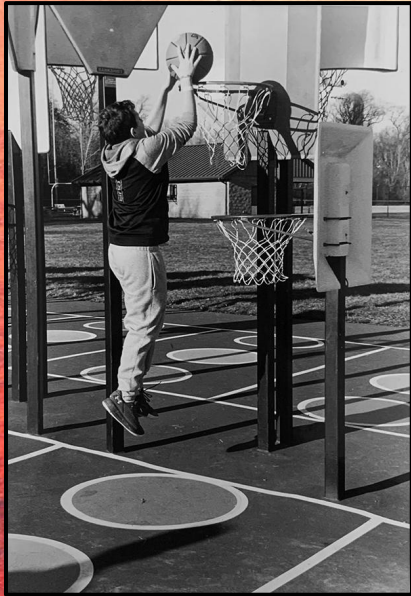
DIGITAL ART

This course explores digital hardware and software platforms that reflect contemporary practices and industry standards to prepare for college and career. Students use the computer as a tool to create raster and vector based artworks. Students discuss ethical and safety issues in the use of digital media as a tool for visual communication. Creative problem-solving skills are developed as students discover how formal qualities and compositional devices are used to make aesthetic choices in digital artwork that communicates narrative. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of digital artworks as text.



Photography 1 (Darkroom Photography)

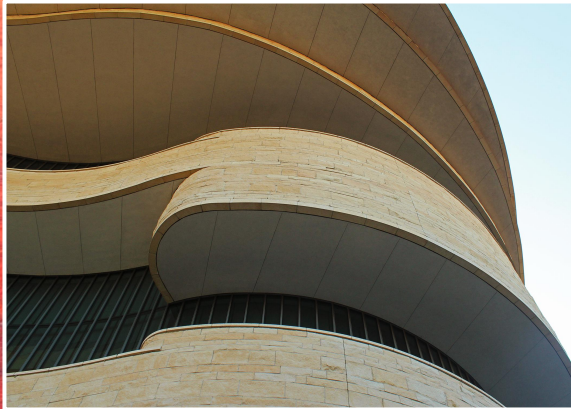
Students explore the fundamentals of darkroom photography (e.g. operating an SLR camera, processing film, and printing black and white photographs) to create original work. They explore how to use formal qualities and compositional devices to make aesthetic choices that communicate narrative in a photograph.



Photography 2

Prerequisite: Photography 1 A/B

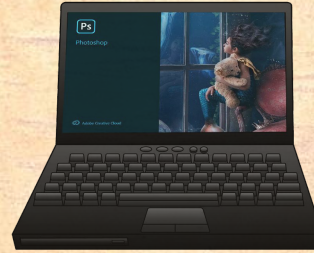
This course focuses on portfolio development by refining skills and mastering the digital tools and technology needed to edit and manipulate photographs. In addition, students will experiment with traditional and contemporary forms of photography, compositional structures, concepts, art-making approaches to communicate personal perceptions in original works. They will analyze how visual imagery influences understanding of and responses to the world.



Advanced Photography 3

Prerequisite: Photography 2 A/B

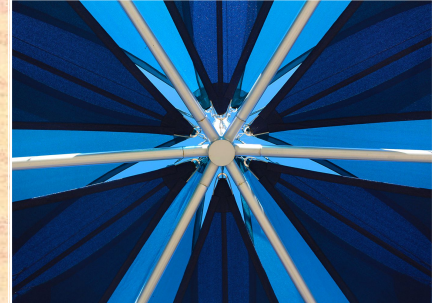
This course requires students to refine and master digital and/or darkroom photography tools and techniques that reflect contemporary practices and industry standards to prepare for college and career. Students will generate creative problems to focus lines of inquiry that result in the preparation and presentation of a photography portfolio. This course will provide authentic and meaningful opportunities to develop digital literacy skills in a contemporary age becoming increasingly visual in its communication.



Advanced Photography 4

Prerequisite: Advanced Photography 3 A/B

This course prepares students for college and career experiences in digital and/or darkroom photography by requiring students to communicate their personal voice through independent experimentation and refinement of photography tools that reflect contemporary practices and industry standards. Students will initiate research, practice, and collaboration towards the completion of a body of work that reflects their personal voice as a photographer.



IB/AP ART + DESIGN (JUNIOR + SENIOR YEAR)

*****Pre-requisites: Studio 1, 2 or 3 or portfolio review**

If you love art and want to continue MAKING more Art, Get college credit, Have a BANGING portfolio for college, AND Be in the “world class” senior Art exhibition - then listen to these testimonials from students!



IB Course Codes:

Juniors: ART2018A / ART2018B

Seniors: ART 2021A / ART 2021B

[CLICK HERE to learn more about the IB Art/Design SL/HL Exam](#)



AP Course Codes:

Juniors: ART2064A / ART2064B (single pd.)

Seniors: ART2065A / ART2065B (double pd.)

[CLICK HERE to learn more about the AP Art & Design Program](#)





AP Art History

Take this course, have fun, and become certified smart in art. AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

[CLICK HERE to learn more about the AP Art History Program](#)



Theatre 1

Course Description: Students will study and practically apply aspects of performance, research, group collaboration, dramaturgy, script writing, and improvisation .



Theatre 2, IB Theatre 1 & 2

Course Description: Students study and apply advanced theatrical concepts, including, but not limited to, directing, ensemble work, devising, extensive research, and advanced performance techniques.

[CLICK HERE to learn more about the IB Theatre SL/HL Exam](#)



IB FILM 1 & 2

Did you know one of the most terrifying scenes in “Jaws” was actually shot in a swimming pool? Or the boy in “The Shining” never knew he was in a horror film? Did you know the original ending of “Return of the Jedi” had Luke putting on a dying Vader’s mask and declaring “Now, I am Vader” and turning to the dark side? Or that the release of “Top Gun” boosted enrollment in the U.S. Navy by 500% the year it released? Come explore IB Film!

What Do We Do in Film Class?

- Short clips serve as models for techniques and seeds for filmmaking. (film excerpts).
- Study of film elements, contexts such as Cinematography, Sound, Editing, Narrative Structure, as well as Film Codes, Conventions, and Techniques.
- Examining, comparing, and contrasting various cultural contexts and their influence on film and vice versa.
- Screenings that reflect the absolute essentials in specific industry standards such as “Memento” and “Cloud Atlas”
- Digital portfolio and work become a central instructional tool.
- Students receive frequent feedback from both classmates and teacher.
- Collaboration and debate on film.

Student Project Examples:

[“The Door”](#)

An exercise in editing and camera work.

[“Shutter”](#)

Using color and sound to enhance a thriller.

Course Curriculum Foci:

- Text Analysis
- Comparative Study
- Film Portfolio
- Collaborative Film.

We study concepts in class through the dynamic cycles of inquiry, action, and reflection.

[CLICK HERE to learn more about the IB Film SL/HL Exam](#)



Music

- [Guitar 1A/B](#)
- [Guitar 2A/B](#)
- [Piano 1A/B](#)
- [Piano 2A/B](#)
- [AP Music Theory A/B](#)
- [Music Technology A/B](#)
- [Chorus 1A/B](#)
- [Chorus 2A/B](#)
- [Chorus 3A/B](#)
- [Chamber Singers A/B](#)
- [Concert Band A/B](#)
- [Symphonic Band A/B](#)
- [Jazz Ensemble A/B](#)
- [Concert Orchestra A/B](#)
- [Philharmonic Orchestra A/B](#)
- [Symphonic Orchestra A/B](#)

All music courses satisfy the 1 credit of art graduation requirement



Guitar 1

Guitar HS 1

Students will learn to create, perform, and respond to guitar music in a variety of styles/genres. Students will learn and develop beginning guitar skills, including selected major, minor, seventh, and power chords; major, minor and pentatonic scales; basic strumming, picking, and finger picking; and tuning technique. Cultural, historical, personal, and social context are studied as they relate to guitar repertoire. Students develop effective practice habits so they will be able to progress independently. This course is open to all students, regardless of music background. This course satisfies the fine art graduation requirement and may be taken up to three times for credit.



Guitar 2

Guitar HS 2

Expanding on beginning skills learned in HS Guitar 1, students will learn to create, perform, and respond to guitar music in a variety of styles/genres. Students will learn and develop guitar skills, including selected major, minor, seventh, and power chords; major, minor, and pentatonic scales; strumming, picking, and fingerpicking; and tuning technique. Cultural, historical, personal, and social context are studied as they relate to guitar repertoire. Students will develop effective practice habits to be able to progress independently.

Prerequisite: Guitar 1 or instructor approval



Piano 1

Piano HS 1

Students will create, perform, and respond to piano music in a variety of styles/genres. Students will learn and develop beginning piano skills and techniques, historical, personal, and social context are studied as they relate to piano repertoire. Students will develop effective practice habits so they will be able to progress independently. This course is open to all students, regardless of music background. This course satisfies the fine arts graduation requirement and may be taken up to 3 times for credit.



Piano 2

Piano HS 2

Students will learn to create, perform, and respond to piano music in a variety of styles/ genres. Students will continue to develop beginning piano skills learned in HS Piano 1, and move on to intermediate piano skills and techniques, including expanded study of music literacy, chord chart reading, and music theory concepts. Cultural, historical, personal, and social context are studied as they relate to piano repertoire. Students will use effective practice habits to be able to progress independently.

Prerequisite: Piano 1 or instructor approval





AP MUSIC THEORY

Pre-requisite: Must have previous music skills to enroll

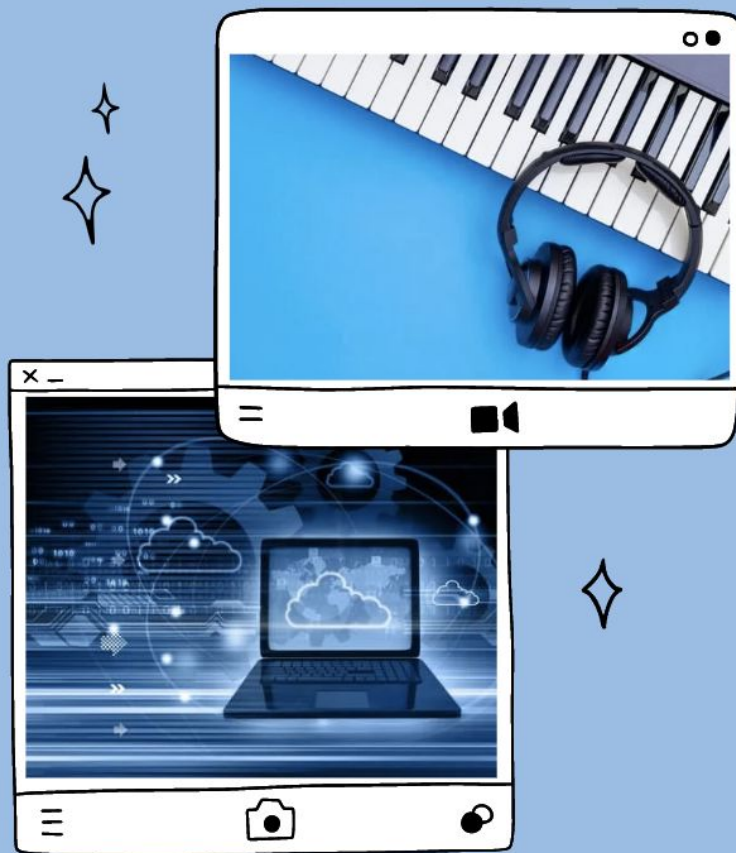
Should be taken concurrently with a performance based music course (ie band, chorus, orchestra).

Learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music.

MUSIC TECHNOLOGY

Students learn the techniques of electronic sound production and manipulation, and apply them to create their own compositions.

They use specialized electronic equipment and computer software to synthesize, modify, and record sounds. Students analyze and evaluate examples of electronic music, as well as multi-arts works featuring electronic music sources. Career options in electronic music are explored.



★ CHORUS

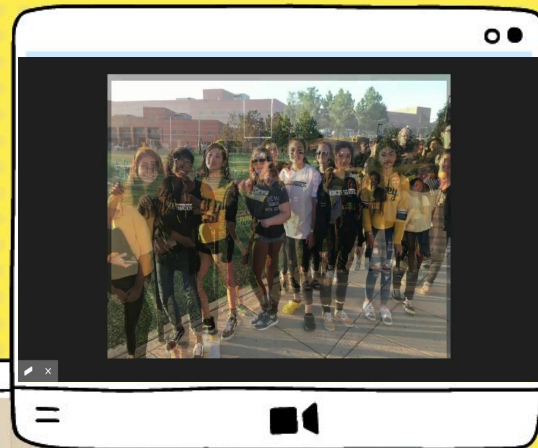
Chorus 1: Beginning treble voice
(NO AUDITION REQUIRED)

Chorus 2: Beginning/ intermediate tenors and basses
(NO AUDITION REQUIRED)

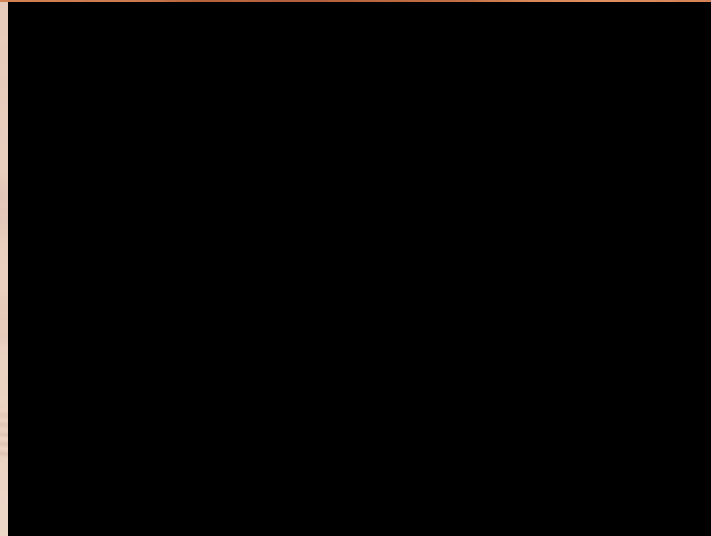
Chorus 3: Intermediate/advanced sopranos and altos
(**AUDITION REQUIRED**)

Chamber Choir (Madrigals): Advanced SATB Chorus
(**AUDITION REQUIRED**)

Join chorus! It's a fun class where you can learn/improve on your singing skills, make friends, take fun field trips, and learn about music from all of the world!



Instrumental Music



Courses

Concert Band A/B

Symphonic Band A/B - audition required

Jazz Ensemble A/B - audition required

Concert Orchestra A/B

Philharmonic Orchestra A/B - audition required

Symphonic Orchestra A/B - audition required



Physical Education (PE)

- [Foundations of Personal Fitness & Sport A/B](#)
- [Specialty Basketball](#)
- [Specialty Lacrosse](#)
- [Specialty Net Sports](#)
- [Specialty Soccer](#)
- [Specialty Volleyball](#)
- [Specialty Weight Training](#)
- [Specialty Weight Training/Body Sculpting](#)
- [Yoga & Stretching](#)
- [Comprehensive Health Education Honors A](#)
- [Comprehensive Health Education Honors B](#)

GRADUATION REQUIREMENTS:

- 1 credit of PE
- Class of 2024: .5 credit of health
- Class of 2025 and later: 1 credit of health



HOME OF THE ROCKETS

Foundations of Personal Fitness & Sport

Foundations of Personal Fitness and Sport

Drawing on knowledge from their elementary and middle school physical education experience, students will deepen their understanding of fitness components and principles. Students will examine and evaluate influences that affect their personal fitness choices. Students will be guided through short- and long-term fitness goals and the selection of physical fitness activities to prepare them for career. The course includes opportunities for a variety of personal developmental activities including those most prevalent in students'™ current and future communities. This course is the foundation for the Concentrated Specialty Physical Education courses.

9TH GRADERS ONLY!



Specialty Basketball

A close-up photograph of a basketball hoop. The white net is suspended from a red rim. Below the hoop, a red basketball is visible. The background is dark and out of focus, suggesting an indoor gymnasium.

Sp PE Basketball

These semester-long courses offer in-depth instruction in the selected activity. The course will provide opportunities to apply movement skills to advanced tactics and concepts of the chosen activity. Students will be given leadership roles as an opportunity for growth in personal and social responsibility. As an extension of Foundations of Personal Fitness and Sport students will apply the knowledge of components and principles of health- and skill-related fitness when creating a personal fitness plan. Students will deepen their understanding of personal fitness plans and goal setting as they apply directly to the SPE activity selected.



**Play & improve
your lacrosse
skills everyday in
PE class!!**

Specialty Lacrosse



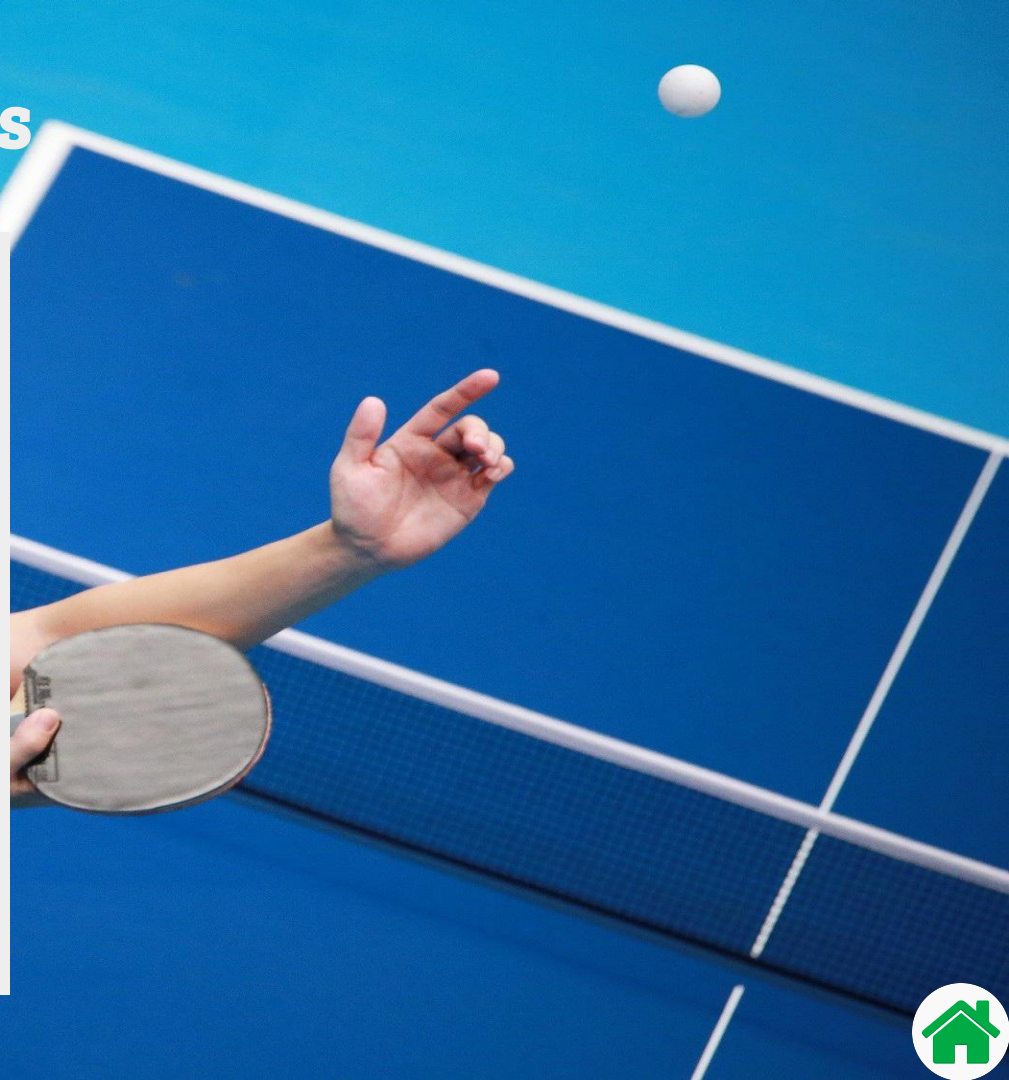
These semester-long courses offer in-depth instruction in the selected activity. The course will provide opportunities to apply movement skills to advanced tactics and concepts of the chosen activity. Students will be given leadership roles as an opportunity for growth in personal and social responsibility. As an extension of Foundations of Personal Fitness and Sport students will apply the knowledge of components and principles of health- and skill-related fitness when creating a personal fitness plan. Students will deepen their understanding of personal fitness plans and goal setting as they apply directly to the SPE activity selected.



Specialty Net Sports

CPE Net Sports

These semester-long courses include instruction in two or three activity units. Each course offers opportunities for student growth in health enhancing fitness activities, movement skills and concepts, and personal and social responsibility as it relates to the CPE course that is selected. As an extension of Foundations of Personal Fitness and Sport students will apply the knowledge of components and principles of health- and skill-related fitness when creating a personal fitness plan directly related to the CPE activity selected.





Specialty Soccer

These semester-long courses offer in-depth instruction in the selected activity. The course will provide opportunities to apply movement skills to advanced tactics and concepts of the chosen activity. Students will be given leadership roles as an opportunity for growth in personal and social responsibility. As an extension of Foundations of Personal Fitness and Sport students will apply the knowledge of components and principles of health- and skill-related fitness when creating a personal fitness plan. Students will deepen their understanding of personal fitness plans and goal setting as they apply directly to the SPE activity selected.

Get outside, have fun & play soccer on the turf field!!



Specialty Volleyball



Sp PE Volleyball

These semester-long courses offer in-depth instruction in the selected activity. The course will provide opportunities to apply movement skills to advanced tactics and concepts of the chosen activity. Students will be given leadership roles as an opportunity for growth in personal and social responsibility. As an extension of Foundations of Personal Fitness and Sport students will apply the knowledge of components and principles of health- and skill-related fitness when creating a personal fitness plan. Students will deepen their understanding of personal fitness plans and goal setting as they apply directly to the SPE activity selected. Ninth graders are less likely to be in this course.



WEIGHT TRAINING

These semester-long courses offer in-depth instruction in the selected activity. The course will provide opportunities to apply movement skills to advanced tactics and concepts of the chosen activity. Students will be given leadership roles as an opportunity for growth in personal and social responsibility. As an extension of Foundations of Personal Fitness and Sport students will apply the knowledge of components and principles of health- and skill-related fitness when creating a personal fitness plan. Students will deepen their understanding of personal fitness plans and goal setting as they apply directly to the SPE activity selected.

WE CALL THEM SQUATS

**FULL BODY
DUMBBELL
WORKOUT
-500 REP-
PYRAMID
WORKOUT**



**30 MINUTE
FULL BODY
DUMBBELL
WORKOUT**



Ladies want to learn how to live a healthy and fit lifestyle while having fun with your friends?



Specialty Weight Training/Body Sculpting

If you plan on doing a sport in high school this class is for you!

GIRLS ONLY. These semester-long courses offer in-depth instruction in the selected activity. The course will provide opportunities to apply movement skills to advanced tactics and concepts of the chosen activity. Students will be given leadership roles as an opportunity for growth in personal and social responsibility. As an extension of Foundations of Personal Fitness and Sport students will apply the knowledge of components and principles of health- and skill-related fitness when creating a personal fitness plan. Students will deepen their understanding of personal fitness plans and goal setting as they apply directly to the SPE activity selected.



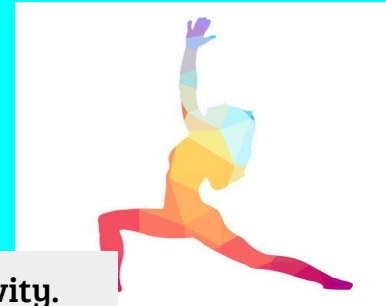
Specialty PE Yoga and Stretching



[Yoga Class](#)
[Photo](#)

A Happiness Class!

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[What past students say about Yoga](#)



Comprehensive Health Education Honors A & B



Honors Health Education (must take A before B)

Students explore health information in the following content areas: mental and emotional health; alcohol, tobacco, and other drugs (substance abuse prevention); personal and consumer health; family life and human sexuality; safety and injury prevention (safety and violence prevention); nutrition and fitness (healthy eating); and disease prevention and control. Students develop lifelong health skills such as analyzing influences; accessing information, interpersonal communication skills, decision making, goal setting, self-management; and advocacy for personal, consumer, and family health throughout the course

9th graders can only take Hon Health A. Incoming 9th graders may take Health A the Summer before their freshmen year. 10th and 11th grade may take a full year of health in one year. Health A & B must be completed by the first semester of senior year (Seniors should NOT be enrolled in Health their second semester as there are state mandated units that must be covered).

