AP/Honors Overview

College Park High School

AP 2D Art: Photography

Course Objective:

Portfolio creation of 22 completed artworks based on depth reflection & analysis of concept:

- 10 best works,
- 12 sustained investigation of an essential question developed by the student. Portfolio is to be submitted to AP for evaluation during AP testing period.

Course Requirements & Prerequisites:

- B or better in Photo 1 and Photo 2
- Fluency in Adobe Editing Software (no need for remedial coaching)
- Willingness to work independently/outside of class on long term projects
- Student must have high level time management skills - none of the work for this course can be crammed or rushed.

Summer Work:

- Exploration of two possible sustained investigation topics (30 + viable captures)
- Collection of best works (10 + viable captures)
- Due at the end of the second week of school

AP 2D Art: Studio Art

Work from 2021 AP Student

About the Course:

Develop your 2-D skills through materials and processes such as drawing, painting, digital art, collage, and printmaking. You'll create artwork that reflects your own ideas and skills and what you've learned.

AP 2-D Art and Design Portfolio Components:

- Section 1: Sustained Investigation- 15 images of artwork submitted, 60% of score
- Section 2: Selected Works- 5 physical artworks submitted, 40% of score

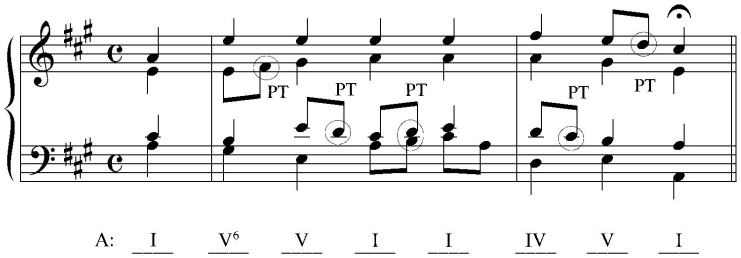
Course Requirements & Prerequisites:

- B or better in either Draw/Paint 2, Art 2 or Advanced Art
- Skills and experiences in multiple art mediums/techniques
- Junior or Senior recommended
- Needs to be able to work independently/outside of class on long term projects
- Student must have high level time management skills - student will follow deadlines to finish portfolio on time

Summer Work:

- 3-6 artworks completed from summer assignment packed provided by Ms. LeHardy
- Collection of best works (5-10)- *works may be used for* ***selected works portion of the portfolio,*** *works can be from personal collection, or from past school assignments.*

AP Music Theory



Course Objective

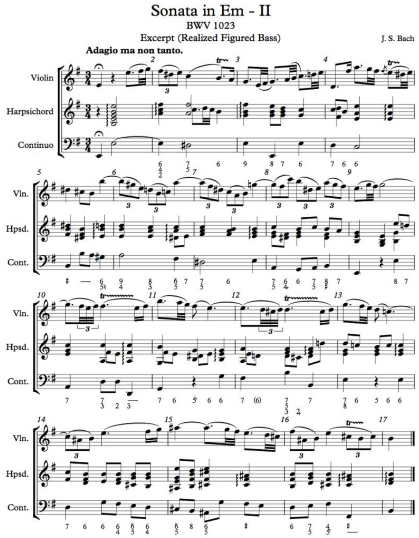
This course is designed to provide college-level music theory and ear training. The ultimate goal of the course is to develop the student's ability to recognize, understand and describe the basic materials and processes of music. While emphasis will be placed on the music of the Common Practice Period (1600-1900), other styles and genres and cultural music will be studied.

Course Requirements & Prerequisites

- Must be able to read music notation.
- Must have earned a B or better in any entry level music course.
- Must have at least a year experience in music or a general background in music.

Workload/Summer Work

- Regular Homework (at least 3 nights a week).
- LOTS of regular Aural Practice (Interval & Scale Identification, Chord Identification, Dictation).
- Development of Sight-Singing skills for purpose of training the ear as a musician.
- Some reading and chapter summary writing assignments.
- Composition/arrangement assignments.
- In-class performances on your primary voice/instrument.
- NO SUMMER WORK REQUIRED.



AP Pre-Calculus

Prerequisite: Grade of B or better in Algebra 2/Trig

Preparation of material needed for success in Calculus including but not limited to Conic sections, linear algebra, trigonometry, polar equations, and an introduction to limits.

Students are expected to do roughly 20 to 30 practice problems per lesson.

No summer course work required.

AP Statistics

Helpful Links:

- Current Year Syllabus & FAQs
- AP Statistics – AP Students | College Board
- Contact: strangek@mdusd.org

Course Objective

Introduction to major concepts and tools for collecting, analyzing, and drawing conclusions from data.

Course Requirements and Prerequisites

For juniors or seniors who have successfully passed both semesters of Algebra II or Algebra II/Trig. Some students take only AP Stats, others sign up concurrently with Pre-Calculus or AP Calculus.

Workload and Expectations

We use activities to experience and then formalize statistical concepts. Time is given in class for practice with about 3 hours of HW each week. Math excellence is NOT required. Clear written communication is essential and practiced often.

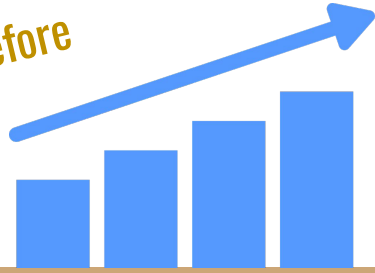
No Summer Work

Do all Skittles taste the same?
(How could we experiment?)

Does Beyoncé write her own songs?
(How can we prove this?)

Who is the greatest home run hitter of all time?
(How can we compare players?)

Is it possible to smell Parkinson's Disease before seeing symptoms?
(How do we test this?)



AP Calculus: AB

Recommended Materials

- Graphing calculator
- Textbook (district-provided)

- **Course Requirements**
  - Any of the following:
    - C or better in Precalculus Honors
    - A in Precalculus (non-Honors)
    - A in Algebra II/Trig*

- **Grading Policies**
  - 90-100% → A , 80-90% → B, 70-80% → C, 60-70% → D, < 60% → F
  - HW → 20%, Quizzes → 10%, Tests → 55%, Final → 15%
  - Note: Since this is an AP class, there is a grade boost of 1 grade point

- **Workload Expectations**
  - 2-5 hr of homework per week
  - 2-3 projects completed outside of class
  - Study time for quizzes/tests at least every other week

AP Calculus BC

- **Course Requirements**
  - Any of the following:
    - B+ or better in Precalculus Honors
    - Or enrollment in AP Calculus AB during 2020-2021
- **Grading Policies**
  - 90-100% → A , 80-90% → B, 70-80% → C, 60-70% → D, < 60% → F
  - HW/CW → 25%, Quizzes → 25%, Tests → 50%,
  - Final → 20% of Semester Grade
    - Note: Since this is an AP class, there is a grade boost of 1 grade point.

Recommended Materials

- Graphing calculator
- Textbook (district-provided)

- AP Calculus AB covers chapter 1-5 and half of 6 and 7.
- AP Calculus BC covers Chapters 1-10 (all of AB). (Tutoring/support available everyday by teacher)
  - If a student passes the AB test, they get 1 quarter/semester's worth of units.
  - If a student passes the BC test, they get 2 quarter/semester's worth of college units

AP Calculus BC is equivalent to taking Calculus I and Calculus II in a single year.

Summer work: There is a 1 week Pre-Calculus Review Workshop students are recommended to attend

If interested, please text "**@phancalcbc**" to phone number "**81010**" and email **phank@mdusd.org**

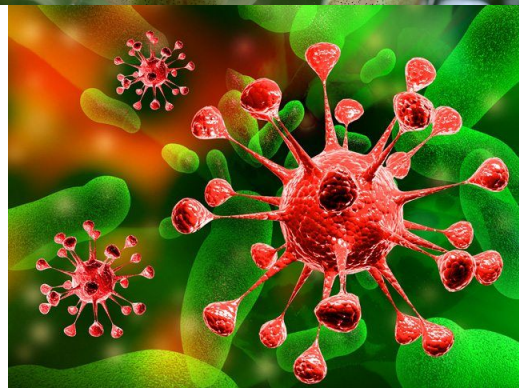
AP Biology

Course Objective

- Introductory college level course with a possible year long college credit
- Link to my video explaining the course

Course Requirements and Prerequisites

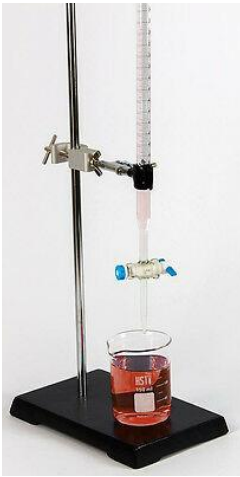
- B or better in Biology
- B or better in Chemistry
- Strong independent readers with ability to retain details
- Strong in analyzing and interpreting reading material and data



Workload Expectations/Summer Work

- 4-5 hours of self study/H.W. per week
- Summer assignment completed one week after the first day of school
  Link to Summer Assignments

AP Chemistry



Course Requirements

- Took general chemistry (at CPHS, it's called Chemistry in Earth System)
- Took or concurrently enrolled in Algebra II or Algebra II/Trig

Links

- Class website*
- Syllabus
- Video of me explaining course*
- Student feedback about the course*
- Contact: maganitoj@mdusd.org

(some links are viewable w/ MDUSD emails only: marked with *)

Grading Policies

- Weighted categories listed in syllabus link
- Tests: grade on a curve similar to the AP test
- Letter grades follow standard (A: 90-100%, B: 80-89.99%, etc)

Workload Expectations

- Summer assignment (it's short!) completed one week after first day of school
- Examples of work: College Board level exams/quizzes, labs (digital/real life), planning out lab experiments, practice problems
- Study the material as soon as you learn it. Ask questions when confused.

AP Environmental Science

Course Objective

- Introductory college level course with a possible year long college credit
- Link to APES Video explaining the course
- Interesting labs and field work

Course Requirements and Prerequisites

- B or better in Biology
- B or better in Chemistry
- Strong independent readers with ability to retain details
- Strong in analyzing and interpreting reading material and data

Workload Expectations/Summer Work

- 4-5 hours of self study/H.W. per week
- Summer assignment completed one week after the first day of school
  Link to Summer Assignments

Honors Human Body Systems

Human Body Systems is the second course in College Park's 3-class *Biomed Pathway* and focuses on anatomy and physiology of the human body. In addition to a traditional science curriculum, students will learn "real-world", industry-standard procedures and techniques that relate to DNA analysis, forensic anthropology, neurological disorder evaluation, muscle fatigue/ATP deficit, and respiratory capacity analysis.

Prerequisites for Human Body Systems (HBS)

1. Successful completion of Principles of Biomedical Science, C or better.
2. Successful completion of Chemistry or Physics, C or better
3. An appreciation for music from 1967 to 1974 (the "sweet spot")

Honors Medical Intervention

Medical Interventions is the third and final course in College Park's 3-class *Biomedical Pathway*. In this course, we take a problem-based approach to examine, research, and apply medical procedures and devices from the past, present and future. The course follows a fictitious family through a variety of scenarios, aiming to explore their medical condition. In addition to a traditional science curriculum, students will learn "real-world", industry-standard procedures and techniques that relate to DNA replication and analysis (PCR and electrophoresis), pathogen identification, diagnostic tools and devices, genetic counseling, Cancer screening and treatments, organ transplantation and so much more!

Prerequisites for Medical Interventions (MI)

1. Successful completion of Human Body Systems, C or better.
2. Autonomous research skills.

AP Physics C: Mechanics

- **Course Requirements**
  - Pass general Physics with a C or better (prefer B or better, C may require general Physics teacher's recommendation)
  - Co-enrollment in AP Calculus 1 or higher (no wiggle room on this requirement)
- **Grading Policies**
  - Weighted categories listed in syllabus link
  - Tests: grade on a curve similar to the AP test
  - Letter grades follow standard (A: 89.45-100%, B: 79.45-89.44%, etc)
- **Workload Expectations**
  - No summer assignment, infrequent homework
  - Regular practice work from College Board question bank to acclimate to CB testing style and pacing to prepare for AP test
  - Expectation that content may be covered in class once only and that students will (and are encouraged to) approach teacher if additional assistance is required. Ask for help!

AP Computer Science A

Prerequisite: Grade of B or better in Algebra 2 or concurrent enrollment in Algebra 2/Trig

The class will be learning to code in Java. There will be daily coding practice on the computer. There will be weekly quizzes which will be hand writing code on paper. There will also be Multiple Choice tests at the end of each unit. Both types of assessments will be found on the AP test.

No prior coding experience is necessary, but it is helpful.

No late work will be accepted.

No summer course work

```java
public static void main(String[] args)
{
    Scanner input = new Scanner(System.in);
    String person = "rock";
    String comp = "";
    int num = 0;
    System.out.println("Enter your choice (rock, paper, or scissors): ");
    person = input.nextLine();

    while(person.equals("rock") || person.equals( "paper")  || person.equals( "scissors"))
    {
        System.out.println("User: "+ person);
        num = Randomizer.nextInt(1,3);
        if(num == 1)
        {comp = "rock";}
        if(num == 2)
        {comp = "paper";}
        if (num == 3)
        {comp = "scissors";}
        System.out.println("Computer: "+ comp);

        System.out.println(getWinner(person, comp));
        System.out.println("Enter your choice (rock, paper, or scissors): ");
        person = input.nextLine();
    }
    System.out.println("Thanks for playing");

}
```

AP Computer Science Principles

AP Computer Science Principles curriculum is a full-year, rigorous, project based, entry-level course that introduces high school students to the foundations of modern computing.

The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. (*Code.org Curriculum Guide 2020-2021*)

Prerequisites: Algebra I. Much of the coursework is performed online so you should be comfortable working with technology.

No Summer Work

AP English Literature

AP Literature is organized so students are prepared to do well on the AP test in May. The course is aligned with the AP Literature test as administered by the College Board. I hope students enjoy the literature and form an appreciation for why a book becomes a classic. The class is dedicated to an exploration of literary techniques each writer employs and analysis of deeper themes in books. It may also include an understanding of the historical time period of the book itself and of the author's life. It is my hope that students will become inspired by the literature and go on to read additional works by the author. The course also prepares students for the type of literary discussion and writing they will face in college English classes. Students write numerous thesis based essays throughout the school year, as well as personal essays, college application essays and creative writing. Please join the AP Literature Google Classroom using the link provided below. Through that Google Classroom, you can find the course syllabus, the reading list, the summer reading assignment, and examples of essays, rubrics, and writing expectations used during the school year.

https://classroom.google.com/c/NTgyMzQ0MTc1NjIz?cjc=ywo43bh

Join code: ywo43bh

AP English Language

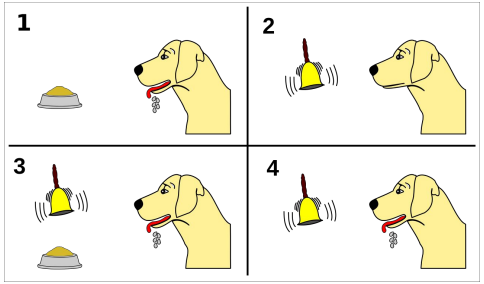
For detailed information (including syllabus, summer reading, and more), join the AP Lang 2022-2023 Google Classroom using this add code: 3xyl2lz

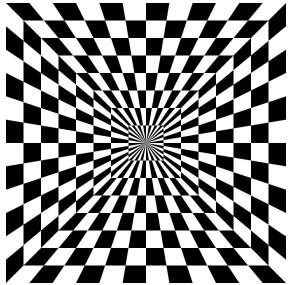
AP English Language & Composition is designed to help students become college ready writers and close readers who understand the rhetorical strategies writers use to build arguments, support thesis statements, and deliver messages.

Throughout the school year, we will continually practice rhetorical analysis, argumentative, and synthesis essays as well as various reading and writing tasks that will help students prepare for the AP English Language Exam.

Students read novels, plays, poetry, and nonfiction texts and are required to deeply analyze literature and apply knowledge of rhetorical strategies to each text. Students also complete various short writing exercises along the way and are expected to collaborate with their classmates and participate in university style seminar discussions.

AP Psychology





Course Objective

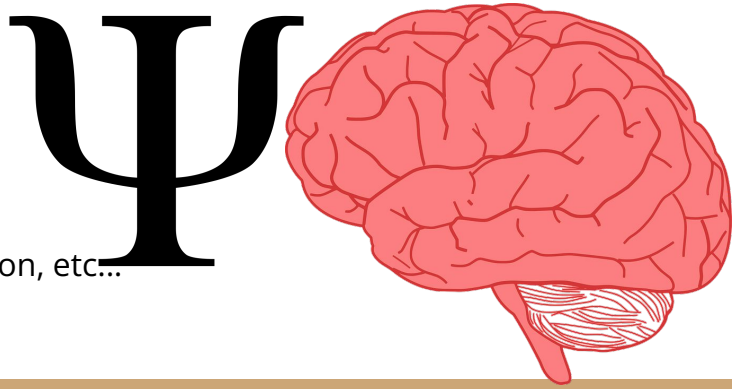
- The course will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

Course Requirements and Prerequisites

- Signature from social studies teacher (World or US History) on course card

Workload Expectations/Summer Work

- 9 Units, each with an exam and free response question
- 2 final exams
- No summer assignment
- Near daily readings and note-taking, quizzes, lecture, discussion, etc...
- Demonstrations whenever possible



AP World History

About the Course

You will study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.This course is an outstanding preparation for future AP courses.

Skills You'll Learn

- Evaluating primary and secondary sources
- Analyzing the claims, evidence, and reasoning you find in sources
- Putting historical developments in context and making connections between them
- Coming up with a claim or thesis and explaining and supporting it in writing

EQUIVALENCY - introductory college level course with possible college credit

Recommended Prerequisites

None. **However, to ensure success in the class, interested students should possess above average proficiency in writing and be able to read an introductory college level textbook.**

AP US History

Course Overview

https://apcentral.collegeboard.org/pdf/ap-us-history-course-overview.pdf?course=ap-united-states-history

Workload and Expectations/Summer Work
Textbook Chapter 1

Class Website with assignments and schedules:

https://cphs-mdusd-ca.schoolloop.com/apush

AP Spanish/Honors Spanish

Course Objective

- To develop the necessary skills to reach an intermediate/advanced level in Spanish

Course Requirements and Prerequisites

- C or better in Spanish III or signature from teacher

Workload Expectations/Summer Work

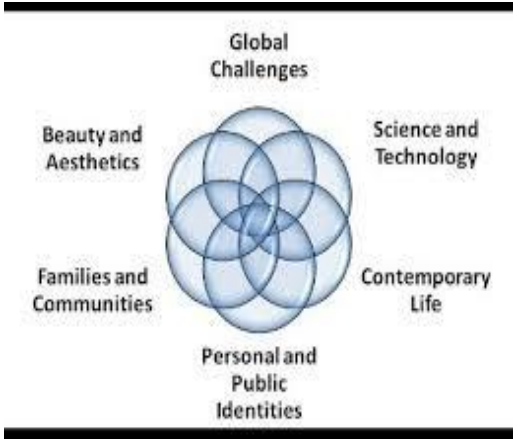
- Class is 100% in Spanish
- 2 final exams if not taking the AP exam at the end of the course or 1 final exam and a final project if taking the exam or if successfully taken the exam before
- No summer assignment
- 6 Themes
- Multiple cultural activities

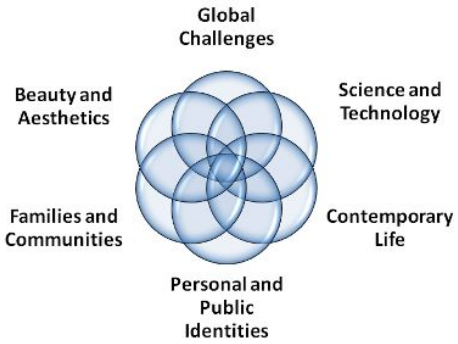
AP French/Honors French

Course prerequisite: French III or permission of instructor.

The curriculum develops language skills using the textbook *Thèmes or T'es branche (adoption process is underway)*, which features French films, websites, literature, music and media. The course organizes content across the AP 6 themes shown. Students do activities engaging in all three communication modes: Interpretive, Presentational, Interpersonal.

Grades are assigned from traditional scale: A = 100-90%, B = 89-80, etc. Categories are *Quizzes/projects/presentations(45%)*, *Classwork & Homework (35%)*, & *Participation (20%)*. Both classes count as "grade bump" courses in calculating GPA. Most writing assignments may be rewritten until a result of 90% is achieved if desired. Completion of AP French can satisfy the course requirement to earn the California State Seal of Biliteracy with medal. Summer work is not required but students can access videos, audios and readings.



AP German/Honors German

The Curriculum for the mixed level IV-AP/V-Honors class alternates between the odd and even-numbered chapters in the college level textbook ?(Adoption Review of texts in progress) In addition to the textbook, workbook and Textbook online activities, students work with authentic materials (Films, Websites, Music Videos/song texts, poetry, TV Series) aligned to the 6 interfacing AP Themes. Students engage in daily activities to practice the communicative modes covered in the AP exam including activities specifically tailored to the AP test itself. Grading categories mirror the communicative modes at 10% each with an additional 10% for accuracy practice and the final 30% reflecting assessments.