

AP Class Information

Foothill High School

2021-2022



AP ENGLISH LANGUAGE & COMPOSITION

AP Language and Composition is a course designed to provide you access to the rigors and challenges of an **introductory college-level course on composition and rhetoric**. In this course, you will engage in close reading and frequent writing, thereby developing your ability to understand language and text with a greater awareness of purpose and strategy, while strengthening your own compositions. The primary goal of the course is to prepare you for the critical thinking, reading, and writing skills that will be demanded of you in all disciplines at the college level while facilitating your development into an informed citizen through critical literacy.

Contact Mrs. Chung (echung@tustin.k12.ca.us) and/or Mr. Hershberger (thershberger@tustin.k12.ca.us)

English Literature & Composition AP (12th Grade)



- A college-level course designed to expose students to **rigorous** close reading and critical textual analysis.
- Our focus is on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students will engage in **close reading and critical analysis** of imaginative literature as they consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism.
- The course offers students the chance to develop an appreciation of the ways **literature reflects and comments** on a range of experiences, institutions, and social structures.
- AP Lit is a very **reading and writing intensive** class: to succeed, you need reading stamina and strong writing skills. You will read 6-10 full length works over the course of the year, and write 6-10 essays.
- Students must complete a **summer assignment** as a prerequisite to the course and are expected to take the AP Lit exam in May.

Questions? Contact Ms. Scott (jscott@tustin.k12.ca.us) or Ms. McDermott (jmcdermott@tustin.k12.ca.us).

European History AP

Top Ten Reasons to take AP Euro

College-level survey course on Western history from 1450-Present

Course format includes lecture, discussion, writing and historical thinking skills

In class assessments designed to prepare students for the AP Exam and will include essays and multiple choice exams for each unit

Emphasis on writing essays and document analysis; this is a reading and writing intensive course

Prior and concurrent enrollment in honors English strongly encouraged

Contact nhepinger@tustin.k12.ca.us with questions



AP US HISTORY



WHY STUDY US HISTORY AP???

1. To, despite the wide array of cultural traditions & backgrounds, begin to understand the similar threads connecting us
2. To get an understanding of foreign perception of us in an era of increased globalization
3. As future leaders of communities, businesses, etc., hopefully avoid mistakes of the past
4. To gain an appreciation for our freedoms & advantages, yet understand the imperfections of the country & the work still ahead
5. And hopefully, begin to enjoy studying history

Characteristics of an APUSH Student

1. Hardworking
2. Like to read informative texts
3. Enjoys learning about US History
4. Typically, but not required, in AP/Honors English

Benefits of taking APUSH

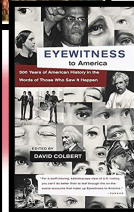
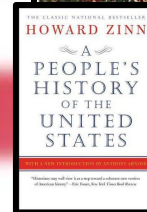
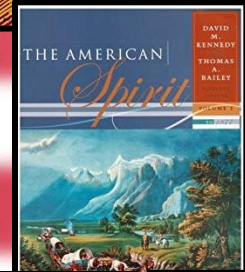
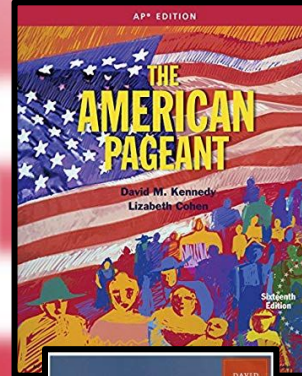
1. Challenging/Critical Thinking
2. Potential for College Credit
3. GPA Bump

APUSH INTEREST FORM

(Click link above using your mytusd email)

Typical Unit Breakdown: Class Structure

1. Lecture-Based College Level Class
2. Read 1-2 chapters a week
 - a. 3-4 different 'books' over the course of the year
 - b. MVC, Matching, Fill in Quizzes (20-30 ?s)
3. Activities/study practices 1-2 times per unit
4. Tests: Usually MVC & Essay-Based
 - a. People, Events, Dates, Cause/Effect - Match/MC
 - b. SAQs, LEQs, DBQs - Essay Types



Got Additional Questions?

Contact Mr. Namba at vnamba@tustin.k12.ca.us

Contact Mr. Waibel at dwaibel@tustin.k12.ca.us



Government and Politics AP

By taking the AP US Government and Politics course, you will better understand how laws are made and the political process it takes for an initiative to become law. Having a deeper understanding of these political dynamics means that you will become a more conscientious voter and political participant.



US Gov Curriculum

Here's a breakdown of the major units you'll be learning about!

- Unit 1: Foundations of American Democracy
- Unit 2: Interactions Among Branches of Government
- Unit 3: Civil Liberties and Civil Rights
- Unit 4: American Political Ideologies and Beliefs
- Unit 5: Political Participation



AP ECONOMICS

BECAUSE THE BENEFITS EXCEED THE COSTS



Get the Tools
for Nuanced
Understanding
of Human
Behavior



Grow: Econ
is Tough;
There are No
Shortcuts



Understand
the Why, not
just the What



Learn How to
Make the
World a
Better Place



Improved
Analytical
Abilities =
Increased
Income
Potential

AP Psychology

Why study AP Psychology?

It's relatable.

You will come to understand learned behaviors, and why we do what we do.

You will gain an appreciation for multiple intelligences and its relation to thinking and problem solving

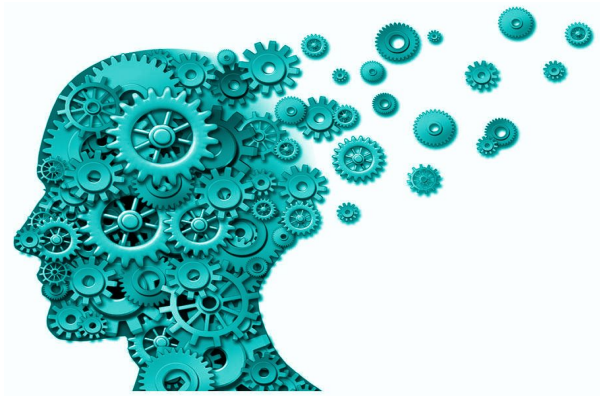
You will learn motivation and what drives our actions (or inactions)

You will gain an understanding of psychological disorders

Critically look at bias, prejudice, and discrimination

Develop a greater understanding of conformity, compliance, and obedience.

And you get college credit :)



Expectations

Lecture based, college level

Nightly readings

Critically assess psychological experiments

Regular quizzes (MC), Unit tests (MC & essay), FRQ's

Practice AP Tests

Calculus AB AP

- AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.
- The course is taught at a level that will prepare students to pass the AP exam.
- Recommended for students who earned an A or B in PreCalculus with a solid math background in rational, exponential and logarithmic functions along with trigonometry.

Calculus BC AP

Calculus BC is a rigorous course which is equivalent to the first two semesters of the single-variable Calculus sequence at a four-year college or university. Students explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series.

The course is taught at a level that will prepare students to pass the AP exam

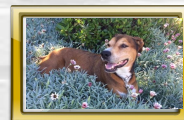
Recommended for students who earn an A or B in Pre-Calculus Honors, as well as students who have taken Calculus AB. In particular, you should understand the properties of linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions, as well as sequences, series, and polar equations.

Contact: rhays@tustin.k12.ca.us

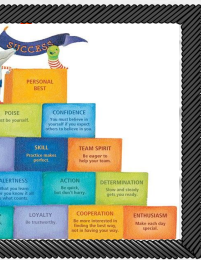


Statistics

This is a college level mathematics course for students who wish to complete a rigorous course equivalent to a one semester, introductory, non-calculus based college course in statistics.



BEST DAY EVER



Why AP Stats??

It's a fresh start!

- ★ Not your typical math class
- ★ Real world application every day

College Prep/Credit

- ★ Most majors **require** some form of stats
- ★ Taught over a full year
- ★ Possible to earn college credit for much less money! (80%+ pass rate)

Class Structure

- Lecture/Activity Based College Level Class
- Notes/Calculator heavy
 - ◆ Daily FRQs (3-5 questions)
 - ◆ Weekly M/C online practice (10-15 questions)
- Activities/study practices 1-2 times per unit
- Tests: ~10 M/C & 2-3 FRQs
- Online review course to prep for the AP Exam

AP Stats Interest Form

(Click link above using your mytusd email)

Topics of Study

1. Exploratory Analysis
2. Planning and conducting a study
3. Probability
4. Statistical Inference

Typical AP Stats Student

1. Hardworking/enjoys learning
2. Likes to read/write
3. Usually in AP English (not required)
4. Usually has completed pre-calc (not required)

QUESTIONS?

Contact Miss Duesler:
rduesler@tustin.k12.ca.us



#GoKnights

Computer Science Principles AP

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

-AP CSP touches a variety of topics and is designed in a fun and interactive way for the students.

-AP CSP is part of the Comp. Sci. pathway as a completer course, however no previous experience is required.

Comp Sci Pathway

(need concentrator and completer, 2 class minimum)

-Computer Sci/Software Engineering (concentrator)

-AP Computer Science Principles (completer)

-AP Computer Science A (completer)

Topics Covered

-Digital Information

-The Internet

-Intro to App Design

-Variables, Conditionals, and Functions

-Lists, Loops, and Traversals

-Algorithms

-Parameters, Return, and Libraries

-Create PT Prep

-Data

-Cybersecurity and Global Impacts

AP Exam Breakdown

70% based on 70 multiple choice questions

30% based on Create Performance Task

-Create Performance Task is a project the students make in class (12 hours) and is submitted to a grading panel.

Computer Science A AP

Computer Science A is equivalent to a one semester introductory course in Computer Programming at a four-year college or university.

Students will learn the Java programming language and use it to create apps and video games.

The course is taught at a level that will prepare students to pass the AP exam

Recommended for Juniors and Seniors who have previous computer programming experience or who have passed Computer Science Principles. This is a completer course for the Computer Science Pathway at Foothill.

Contact: rhays@tustin.k12.ca.us

Biology AP

Topics:

- **Chemistry of life**
 - Elements of life
 - Biological Macromolecules (DNA, proteins, carbohydrates, and lipids)
- **Cell Structure and Function**
- **Cellular Energetics**
 - Photosynthesis & cellular respiration
 - Enzymes
- **Cell Communication and Cell Cycle**
 - Mitosis
 - Signal transduction pathways
- **Heredity**
 - Mendelian Genetics
 - Meiosis
- **Gene Expression and Regulation**
 - DNA → RNA → Protein
 - Mutations
 - Biotechnology
- **Natural Selection**
 - Natural selection, evolution, origins of life on Earth
- **Ecology**
 - Animal behavior, population ecology, biodiversity, disruptions to ecosystems

You will learn how to:

1. ***Explain*** biological concepts, processes, and models presented in written format.
2. Analyze ***visual representations*** of biological concepts and processes.
3. Determine scientific ***questions and methods***.
4. Represent and describe data.
5. Perform ***statistical tests*** and mathematical calculations to ***analyze and interpret data***.
6. Develop and justify scientific ***arguments using evidence***.

Course exam & Description link [HERE](#)

You will be:

- Conducting labs (interpreting data)
- Reading the textbook
- Taking notes
- Writing responses to AP FRQ's
- Practicing MCQ's from the AP exam

AP Chemistry

Mrs. Ivory



What is AP Chemistry?

Challenging, college-level
Fast-paced

AP Exam: May 2022

3 hours, 15 minutes

Part I: 60 Q – M.C. (no calculators)

Part II: FRQ – 3 long & 4 short

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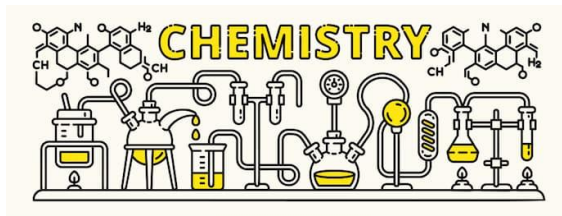
AP Chem students are:

Curious
Motivated
Independent
Consistent
Organized

Learn from their mistakes

Hard Working

Ask lots of questions



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Coursework:

Homework Quizzes: 25%

Labs: 25%

Tests, Quizzes, Final: 50%

Growth Mindset

Test Corrections

Lab Revisions

Questions?:

civory@tustin.k12.ca.us

Physics 1 AP

Prerequisite Recommendations:

- Completion of AP Chem or Honors Chem with an A or B.
- Students should be concurrently enrolled or have completed Pre-Calculus or Honors Pre-Calculus and have received an A or B in their last math class.

Unit 1: Kinematics

Unit 2: Dynamics

Unit 3: Circular Motion and Gravitation

Unit 4: Energy

Unit 5: Momentum

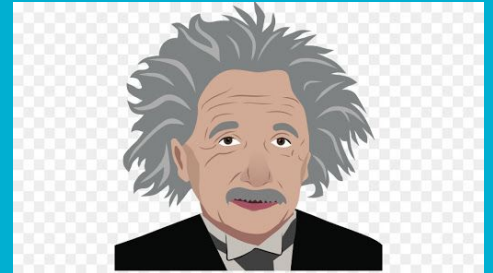
Unit 6: Simple Harmonic Motion

Unit 7: Torque and Rotational Motion

Unit 8: Electric Charge and Electric Force

Unit 9: DC Circuits

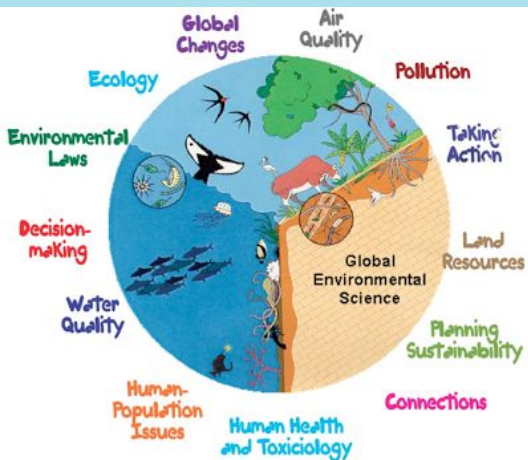
Unit 10: Mechanical Waves and Sound



Physics 2 AP

- Algebra-Based College Level Introductory Physics
- Topics include: Fluids, Thermodynamics, Electricity and Magnetism, Electric Circuits, Optics, and Modern Physics
- Emphasizes on Scientific Investigations through Experiments and Quantitative Analyses
- About 25% of the class time is lab related.
- Prerequisites: AP Physics 1 and Algebra 2
- Contact Dr. Czarnecka for more info
 - Email: hczarnecka@tustin.k12.ca.us

AP Environmental Science



We can all do our part...

WAYS TO SAVE EARTH



- USE A REUSABLE WATER BOTTLE



- USE PUBLIC TRANSPORT OR BICYCLES

- USE ENERGY SAVING LIGHT BULBS



- UNPLUG WHEN NOT IN USE



- SAY NO TO PLASTIC
USE CLOTH BAG



- PLANT A TREE

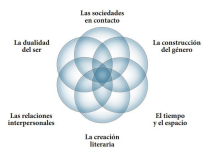


Baaah!

Want to save the world? Email Mr. Falkin!
jfalkin@tustin.k12.ca.us



ESPAÑOL AP



Este es un curso de Español de nivel universitario para estudiantes que quieren mejorar su conocimiento del lenguaje y la cultura del mundo hispanohablante. Esta clase te prepara para tomar AP Spanish Literature and Culture .

Temas

Las identidades personales y públicas

- La enajenación y la asimilación
- Los héroes y los personajes históricos
- La identidad nacional y la identidad étnica
- Las creencias personales
- Los intereses personales
- La autoestima

Las familias y las comunidades

- Las tradiciones y los valores
- Las comunidades educativas
- La estructura de la familia
- La ciudadanía global
- La geografía humana
- Las redes sociales

La belleza y la estética

- La arquitectura
- Definiciones de la belleza
- Definiciones de la creatividad
- La moda y el diseño
- El lenguaje y la literatura
- Las artes visuales y escénicas

¿Por qué tomar esta clase?

Aprende sobre el mundo Hispano

- ★ La clase cubre la mayoría de los países hispanohablantes
- ★ Los profesores hacen la clase divertida

Requisito universitario

- ★ Las universidades requieren un lenguaje
- ★ Posiblemente podrás eliminar el requisito de la universidad
- ★ 98%+ de nuestros estudiantes pasan el examen

¿Preguntas?

Comunícate con la profesora Zelaya o el profesor Pallares

izelaya@tustin.k12.ca.us
jpallares@tustin.k12.ca.us

Forma de interés
AP Spanish Language and Culture

(Abre el enlace de arriba con tu correo mytusd)

Temas

- Los temas económicos
- Los temas del medio ambiente
- El pensamiento filosófico y la religión
- La población y la demografía
- El bienestar social
- La conciencia social

Los desafíos mundiales

- El acceso a la tecnología
- Los efectos de la tecnología en el individuo y en la sociedad
- El cuidado de la salud y la medicina
- Las innovaciones tecnológicas
- Los fenómenos naturales
- La ciencia y la ética

La ciencia y la tecnología

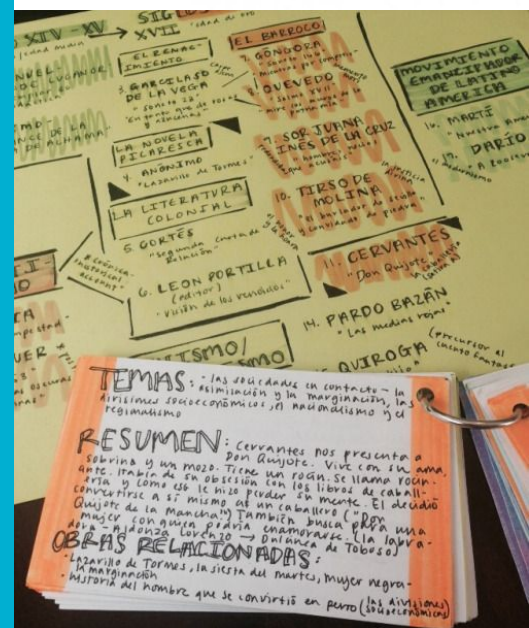
- La educación y las carreras profesionales
- El entretenimiento y la diversión
- Los viajes y el ocio
- Los estilos de vida
- Las relaciones personales
- Las tradiciones y los valores sociales
- El trabajo voluntario

La vida contemporánea

¿Ya tomaste Español AP Lenguaje y Cultura? ¡Perfecto!
¡Esta clase es para ti!

Unos beneficios de tomar este curso:

-
- La dualidad del ser
- Las sociedades en contacto
- La construcción del género
- El tiempo y el espacio
- La creación literaria



French Language AP

- Course themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics
- We learn some advanced grammatical structures. Students are expected to be able to express themselves in the past, present, and future prior to this course.
- We have daily class discussions on topics related to the course themes which provides students with the opportunity to practice reading, writing, speaking, and listening in French.
- The homework load is manageable and consists of reading material to prepare for the next class or finishing an assignment we started in class.
- Assessments are modeled after the AP exam.

For more information, email sstein@tustin.k12.ca.us

Music Theory AP

Course Description

Music Theory is a rigorous course, equivalent to the first semester of Music Theory at a four-year college or university.

The course is taught at a level that will prepare students to pass the AP exam

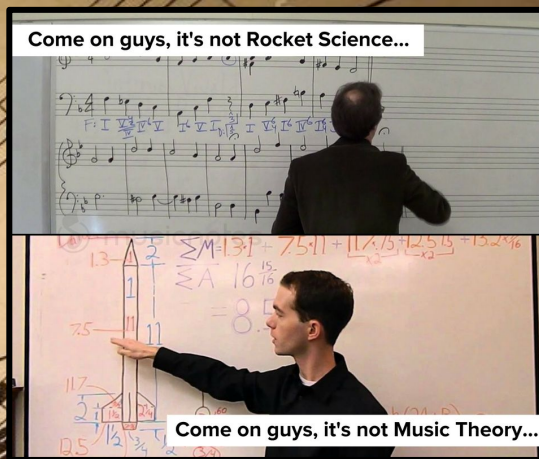
Recommended for students who have had some prior training in music:

- Students who have started or completed the certificate of merit
- Students who have had 4 or more years of instruction on an instrument
- Students who have had 4 or more years of vocal instruction that included music theory
- Or students who can pass an intro level Music Theory exam

Topics you will study

- Pitch, Major Scales and Key Signatures, Rhythm, Meter, and Expressive Elements
- Minor Scales and Key Signatures, Melody, Timbre, Texture
- Triads and Seventh Chords
- Voice Leading, Chord Function, Cadence, Phrase, Harmony, Chords Progressions, Predominant Function
- Embellishments, Motives, and Melodic Devices, Figured Bass
- Secondary Functions, Modes, Form

Come on guys, it's not Rocket Science...



You will do

- Music Analysis
 - Score Study
 - Instrumentation
- Sight Singing
- Composition
- Aural Skills
 - Melodic Dictation
 - Harmonic Dictation
 - Interval Recognition
 - Identify Chord Progressions
- Roman Numeral Analysis