

AP Summer Work 2021

<p>AP Calculus AB</p>	<ol style="list-style-type: none"> 1. Join Khan Academy (www.khanacademy.org) using the class code: QWUMY7RZ 2. Complete the assignments that are saved in the classroom. The assignments are: <ul style="list-style-type: none"> • Functions: Unit test • Arithmetic with polynomials: Unit test • Polynomials: Unit test • Radical relationships: Unit test • Rational relationships: Unit test • Exponential growth & decay: Unit test • Exponentials & logarithms: Unit test • Advanced equations & functions: Unit test • Trigonometry with right triangles: Unit test • The unit circle definition of sine, cosine, and tangent: Unit test • Graphs of trigonometric functions: Unit test • Trigonometric equations and identities: Unit test <p>The grade that you will score on all 12 will account to your first test grade in trimester I.</p>
<p>AP Calculus BC</p>	<ol style="list-style-type: none"> 1. Join google classroom using the following link. (The class code is ijumava) 2. Complete the assignment titled Unit 0: Summer Work
<p>AP Statistics</p>	<ol style="list-style-type: none"> 1. Go to Khan Academy at https://www.khanacademy.org/join/VFCA3N97 and join our class (here's the join code if required: VFCA3N97). 2. You will do all the activities for Analyzing Categorical Data that are assigned to you: videos, exercises, quizzes, and the Unit Test. <ol style="list-style-type: none"> a. The videos must be completely watched, and all exercises, quizzes and the unit test must be completed. b. The score you obtain on this work will be taken as your first Summative Assessment for the course. c. Due before our first class. <p style="text-align: center;">Enjoy your summer!</p>
<p>AP Microeconomic s</p>	<ol style="list-style-type: none"> 1. Read "Freakonomics" by Stephen J. Dubner and Steven D. Levitt (you can get a copy at the HS office). 2. Use Post It notes to index all the interesting ideas you encounter, you will be using them to complete the Freakonomics Book Report when we get back to school. <p style="text-align: center;">I hope you enjoy this book, happy summer vacation!</p>
<p>AP Macroeconomi cs</p>	<ol style="list-style-type: none"> 1. Read "Naked Economics" by Charles Wheelan (you can get a copy at the high school office). 2. Use Post It notes to index all the interesting ideas you encounter. You will be using these ideas for our Collective Book Report when we come back to school. <p>I hope you enjoy this book, happy summer vacation!</p>
<p>AP World History</p>	<ol style="list-style-type: none"> 1. Please go to the following link and complete the assigned summer work. Thank you.

	<p>a. https://docs.google.com/document/d/1bJtM7ccvZzTzaaIT7Y5O0B8hczyDY7-Z0auGhUjf6qU/edit</p> <p>2. Should you want to do some summer readings for pleasure, the following are fun reads that deal with what we will be discussing the following year.</p> <ul style="list-style-type: none"> -The Human Story: Our History from the Stone Age to Today, by James C. Davis. - A History of the World in 6 Glasses, by Tom Standage. 		
AP US History	Please access the AP US History summer work here.		
AP Seminar	Please access the AP Seminar Summer Assignment 2021 work here.		
AP English Language	Click on this link to see your summer reading options: AP Language Summer Reading . Please choose at least one book from the list to read over the summer!		
AP English Literature	Read one novel of your choice that you consider <i>significant</i> , however you choose to define this word. Come to class on the first day ready to make a compelling argument about your chosen novel's significance to the class.		
AP Spanish Literature	<p>Los alumnos deberán estudiar los términos literarios del curso del nivel 4 contenidos en Glossary of Literary Terms for the AP Spanish Literature and Culture Course, College Board. El sitio es interactivo. Deben clicar sobre cada término para que se muestre la definición. Se espera que los alumnos, al inicio del ciclo escolar 2021-2022 conozcan dicho contenido.</p> <p>Acceda al Classroom de la clase a través del código: iwjbjfs</p>		
AP Psychology	<p>OPTIONAL! Please enjoy your summer.</p> <p>Should you care too, but it is not necessary, Research and summarize in ¼-½ page flashcards the biography about 10 of the most important psychologists in Psychology's History. Include a photo, their psychological perspective, principal theories and experiments applied to study human or animal behavior. (Carl Rogers, Sigmund Freud, John B. Watson, Ivan Pavlov, B.F. Skinner, Edward Thorndike, Alfred Adler, Abraham Maslow, Jean Piaget, Albert Bandura). (Printed or handwriting)</p> <p>Thank you</p>		
AP Physics 1	<p>1. In Khan Academy (www.khanacademy.org) complete the topic <i>Vectors</i> from the Precalculus subject. This means complete all the skills in these topics with a mark of 100% and pass all the quizzes and the unit test.</p> <p>a. Subject: Precalculus AND Topic: Vectors</p> <table border="1" style="width: 100%;"> <tr> <td> <ul style="list-style-type: none"> ● Vector basics ● Magnitude of vectors ● Scalar multiplication ● Vector addition and subtraction </td> <td> <ul style="list-style-type: none"> ● Unit vectors ● Magnitude and direction form of vectors ● Component form of vectors ● Adding vectors in magnitude and direction form </td> </tr> </table>	<ul style="list-style-type: none"> ● Vector basics ● Magnitude of vectors ● Scalar multiplication ● Vector addition and subtraction 	<ul style="list-style-type: none"> ● Unit vectors ● Magnitude and direction form of vectors ● Component form of vectors ● Adding vectors in magnitude and direction form
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	<ul style="list-style-type: none"> • Combined vector operations 	<ul style="list-style-type: none"> • Applications of vectors
	<p>2. Watch the videos in the list below.</p> <ol style="list-style-type: none"> Create a Google Doc for your work you will do for this. Name the google document <i>APPhys-last,first</i>, where <i>last,first</i> are your last and first names. <ol style="list-style-type: none"> Share the document with me, gbrolo@cag.edu.gt. Share it as soon as possible even if you have not started watching any of the videos. Write a comment/observation/reaction to each video (I am expecting from 2 sentences to 2-3 paragraphs for each video). <p>Videos:</p> <ul style="list-style-type: none"> - Neil Tyson Demonstrates Absurdity of "Flat Earth" - 7 Minutes of Terror: Curiosity Rover's Risky Mars Landing - Driving on the Surface of Mars <p>Optional:</p> <ul style="list-style-type: none"> - What Did Curiosity Find On Mars? - Solar Power For Juno - Juno Has Arrived At Jupiter! Now What? <p>Optional: Earth's Gravity to Slingshot Jupiter-Bound Juno Spacecraft</p> <p>Optional: Crashing Into Saturn: This Cassini Mission Is the Most Epic Yet</p> <p>Optional: Juno and The New Jupiter What Have We Learned So Far conference on May 17, 2018 - this is the longest one</p> <p>Optional: Telescope video Jupiter, Saturn and moon.</p>	
AP Computer Science A	<ol style="list-style-type: none"> Join google classroom using the following link. (The class code is yya7cck) Complete the assignment titled Unit 0: Summer Work 	
AP CSP	<ol style="list-style-type: none"> Register yourself to AP CSP 21-22 Google Classroom with the code: o7hpzpn Once you have registered yourself you will be able to activate your account in CodeHS to complete your Summer assignment. Have fun! 	
AP Biology	<ol style="list-style-type: none"> Join google classroom using the following link. (The class code is k2ukueu) 	
AP Environmental Science	<ol style="list-style-type: none"> Join google classroom using the following link. (The class code is bk5vk6h) 	
AP Chemistry	<p>Join the class in Google Classroom:</p> <p>code: xm24gvl, or</p> <p>link https://classroom.google.com/c/MjgyMDk0MDEzMTI3?cjc=xm24gvl</p>	
AP Studio Art	<p><i>AP Studio Art, similar to a college studio art course, requires an investment of time outside of class to meet the requirements of the portfolio. Complete 3 Assignments and 3 Sketchbook Drawings. These assignments will be due the first day of class. These assignments will account for 25% of your first marking period grade. If you do not do these projects the best grade that you could get for the 1st marking would be 75%.</i></p>	

Assignments:

Pick 3 from the following suggestions. Finished versions need to be 18" x 24" or smaller. You can choose 3 different suggestions or choose 1 to do 3 different ways or in a different medium. All works must be completely finished works of art that show a complete range of value, tones, and shades. You may choose any medium to work with. You may use pencil, pen and ink, marker, watercolor, acrylic, oil, oil pastel, chalk pastel, charcoal, mixed media, etc... You may not use any type of published image or draw from any photograph. If you draw in pencil, please do not "smudge" the pencil to create value, I want to see value through the pencil marks.

Suggestions:

- A Still Life that contains at least 3 shiny objects. Make sure you consider the light reflection and images seen in the shiny objects.
- A piece that depicts an emotion. Try to have the colors or marks/brush strokes convey the emotion that you chose.
- A Self Portrait (drawn from real life in a mirror - not from a photograph) that is drawn from an interesting angle.
- Sit right outside your front door and draw what you see.
- A figure drawing of a person that is moving (running, walking, dancing, etc...)
- A landscape that includes a building or a group of buildings. You are very lucky to live where you do! There are many well-known artists that choose to live in this area for all the wonderful outdoor areas to draw. Be sure to consider composition and perspective when choosing your subject.
- Illustrate a song of your choice. Do not include any lyrics or words in the piece. Draw the inside of something: a drawer, your car, refrigerator, etc...

Sketchbook:

No smaller than 6"X 9" no bigger than 9x12", drawing paper. Drawings must be fully finished and take up the entire page. You may do the sketchbook assignments in any medium. Please pick 3 assignments from the following list.

- Draw an object in daylight and then again at night by artificial light.
- Sketch 5 design motifs that you like. They can be from company logos, repeating patterns, etc...
- Come up with a new design or improvement to an object that currently exists. Think of something that you might use every day. How can you improve it?
- Illustrate a dream that you have had or a memory from childhood.
- Make a detailed drawing of your eye
- Draw a piece of furniture in your house
- Draw something using one continuous line. Put the pencil on the paper and do not take it off the paper until the entire drawing is finished.

AP US History	2021-2022 Summer Work
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AP Human Geography	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=jQvrB5aRV_Q&t=53s Use the link provided (tutorial) to create your own Google Earth project or tour. Choose a place of interest to you. Be prepared to share this with your class - treat it as a tool to instruct others. --- OR --- https://www.nytimes.com/2020/04/26/travel/how-to-make-an-illustrated-map-in-8-steps.html Use this link as a guide to create your own <i>physical</i> illustrated map.• Additional work needed to be completed here - https://docs.google.com/document/d/1CIQJXRuUh5zU4r2o3W-5MMLoQVWuAeiT9S7T-4DY5sl/edit?usp=sharing• Add this free app to your device(s) and play, play, play!! - GeoBee
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