

Welcome to APES!

As we are studying *Environmental Science*, and paper waste makes up a large percentage of American household trash, we will try to be paperless whenever feasible. You will submit most work through Google Classroom and lab reports through Google Classroom **and** Turnitin.com. You may even select to use an electronic notebook in lieu of a traditional notebook. However, there is a large body of learning and cognition research that supports writing to learn, so most work other than lab reports may also be submitted as hand written or digital. This sheet includes the instructions you will need to do the following:

1. Join the APES Google Classroom
 2. Check out your textbook.
 3. Properly complete your summer assignment which is due **before** the first day of school, by the end of the day on **Sunday August 20, 2017**.
 4. Homework assignment information necessary for both the summer assignment as well as the assignments that will be due throughout the year.
- I. The following steps need to be **completed by June 10th**:
- a. Join the APES Summer Google Classroom – see directions on the next page.
 - b. Check out your AP Environmental Science textbook from the library during finals week. You may do this before or after school.
 - c. Complete the Student Survey in Google Classroom. ***If you are added to the class during the summer, please do this step as soon as possible, then complete the rest of the assignment. You will not be locked out of Classroom.**
- II. Your summer assignment will focus on biogeochemical cycles. These cycles are critical because they are an interwoven topic throughout all of our major units. All work must be **completed and turned in to Google Classroom by August 20th**:
- a. Crash Course Nitrogen and Phosphorus Cycles - watch the video clip, answer questions, and submit.
 - b. Crash Course Hydrologic and Carbon Cycles - watch the video clip, answer the questions, and submit.
 - c. The Fish and the Forest - Read the article. After reading, create a concept map that diagrams how bears and fish contribute to the global Nitrogen Cycle.
 - d. The Ocean's Invisible Forest - Read the article. After reading, create a concept map that diagrams how phytoplankton contribute to the global Carbon Cycle & Oxygen Cycles.
 - e. Dead Zones - Watch the video clips and take notes regarding Dead Zones. Submit a Google Doc of your notes, or a picture of your handwritten notes.
 - f. Enriching the Sea to Death - Read the article. After reading, summarize the article in one paragraph and respond to the article in the next. Use the Annotation Guidelines for additional direction.

***When you are completing assignments through Classroom, you need to be logged in to your cusdstudent account.**

***If you have questions, concerns, or problems uploading, email me and I will try to help you. If all else fails, save typed documents to a Google Drive account and share the document with me through an email link, or bring your written assignments the first day of class.**

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APES Summer Work Checklist

Use this to make sure that you complete all tasks assigned.

- Join the APES class in Google Classroom
- Complete the student survey
- Check out Environmental Science
- Crash Course Nitrogen and Phosphorus Cycles
 - watch the video clip
 - answer questions, and submit.
- Crash Course Hydrologic and Carbon Cycles
 - watch the video clip
 - answer the questions, and submit.
- The Fish and the Forest
 - Read the article.
 - Create a concept map that diagrams **How Bears and Fish Contribute to the Global Nitrogen Cycle.**
 - Submit your completed concept mat
- The Ocean's Invisible Forest
 - Read the article.
 - Create a concept map that diagrams **How Phytoplankton Contribute to the Global Carbon Cycle & Oxygen Cycles.**
- Dead Zones
 - Watch the video clips
 - Take notes regarding Dead Zones.
 - Submit a Google Doc of your notes, or a picture of your handwritten notes.
- Enriching the Sea to Death
 - Read the article.
 - Summarize the article in one paragraph
 - Respond to the article in the next. Use the Annotation Guidelines for additional direction.

