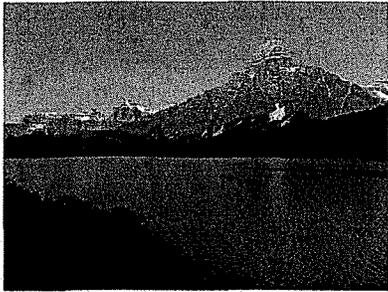


Welcome to AP Environmental Science (APES)!



Greetings! You signed up for AP Environmental Science (APES) for the 2014-2015 school year, and you made an excellent decision. APES is a college level course in Environmental Science. This leads to the question: What is Environmental Science (ES)? ES is an interdisciplinary subject that includes natural sciences (biology, ecology, chemistry, meteorology, geology, physics, zoology, botany, oceanography, and others) as well as social sciences (economics, psychology, political science, history, etc.) to help us understand and find possible solutions to the problems facing our planet and those who inhabit it.

I think you will find this course has a lot of relevance to your lives. While there is a lot to know, you will benefit in several ways:

- You can take the AP test for possible college credit.
- You will be well-informed about important issues that will impact your future.
- There's a lot of good and bad information about the environment in the media. You will understand the science so you can tell the difference.
- We will have labs and activities that aren't anything like what you have done in science classes before. It won't be boring.
- You will make more informed lifestyle decisions: What kind of light bulb should I buy? Paper bags or plastic? Is it worth it to buy a hybrid car? Cloth diapers or disposable? The list goes on...
- You get to see me every day. I suppose you can argue about whether that is a benefit...

Since AP testing is in May, and since there is a lot to cover, I am giving you this Summer Assignment. The purpose of the assignment is to give you a head start on a few things you will need to know. You will receive a grade for your participation and effort. **Here are the steps I want you to take between now and July 13, 2018:**

1. **SEND ME an email.** My email address is [micummings@lwsd.org](mailto:micumming@lwsd.org) (notice the "l" after the first m). The email's subject **MUST** be "APES introduction." Include the following:
 - Your full name
 - What you like to be called (include pronunciation if your name isn't common)
 - The last science class you took
 - Why you decided to take APES
 - An environmental issue you would like to know more about.
 - Something about you that I should know. Your interests, hobbies, talents, etc.

Be sure you use an email address you can access during Summer!

2. **SIGN UP** for my remind101 list to receive alerts and reminders. Remind101 is a service that lets me send messages to you by text or email. If you would like text messages, the nice thing is that I will never see your number, so this is very safe. Instructions for signing up are attached to this assignment. You are expected to participate in remind101, and this participation is part of your Summer Assignment grade! **If you have a reason this won't work for you, you need to let me know by email and we can discuss it.**

3. **BEFORE SCHOOL** begins, watch the video “Freedom from Famine: The Norman Borlaug Story.” The video is on YouTube (search on the title), and it’s just over an hour long. Norman Borlaug is known as “The Man who fed a billion people.” Given the accomplishments of this American, it is strange that most Americans have never heard of him.

After you watch the video, please write your responses to the following questions, and have them **ready to turn in on the first day of school**. Write complete thoughts in complete sentences. Short, bare minimum kinds of answers will not earn you many, if any, points.

- Did you know who Norman Borlaug was before you watched the video? Why do you think so few people have heard of him?
- Do you think the “Man who fed a billion people” nickname is justified? Give at least 2 reasons for or against.

4. **Also BEFORE SCHOOL** begins, (**DUE first day of school**) **research the following laws and international treaties**. Create a table (you can use Word, Excel, or do it by hand as long as it is LEGIBLE) that shows the following for each one:

- **Name of the law or treaty**
- **When it was adopted, and any dates it was amended or altered**
- **Describe its function. In other words, why was it passed?**
- **What group is responsible for enforcement of the law or treaty (e.g. EPA, Dept. of Interior, United Nations, etc.)**

You will do this for one column based on the first letter of your last name:

If your last name starts with **A-H**, do this column

If your last name starts with **I-P**, do this column

If your last name starts with **Q-Z**, do this column

Clean Air Act	Food, Drug, and Cosmetics Acts	Occupational Safety and Health Act
Clean Water Acts	Hardrock Mining and Reclamation	Ocean Dumping Ban Act
Comprehensive Environmental Response, Compensation Liability Act	Kyoto Protocol	Oil Pollution Act
Consumer Product Safety Act	Law of the Sea Convention	Oil Spill Prevention and Liability Act
Convention on International Trade in Endangered Species	Marine Mammal Protection Act	Pollution Prevention Act
Emergency Planning & Community Right-To-Know Act	Marine Plastic Pollution Research and Control Act	Resource Conservation and Recovery Act
Endangered Species Act	Migratory Bird Hunting Stamp Act	Safe Drinking Water Act
Energy Policy Act	Montreal Protocol	Soil and Water Conservation Act
Federal Food, Drug, and Cosmetic Act	National Energy Act	Solid Waste Disposal Act
Federal Insecticide, Fungicide and Rodenticide Act	National Environmental Policy Act	Surface Mining Control and Reclamation Act
Federal Water Pollution Control Act	National Park Act	Toxic Substances Control Act
Fish and Wildlife Conservation Act	National Wildlife Refuge System Act	Wild and Scenic Rivers Act
Food Quality Protection Act	Nuclear Waste Policy Act	Wilderness Act

We will share lists and you will have a quiz on these on the first Friday of school.

This class will have a faster pace than last year so we can cover as much material as possible before the AP Examination. You will need to do frequent readings, and not all of the required material can be covered in class. The work load will not be hard to deal with, but don’t let yourself fall behind. Looking forward to a great year!



Sign up for important updates from Mr. C Science.

Get information for Lake Washington High School right on your phone—not on handouts.

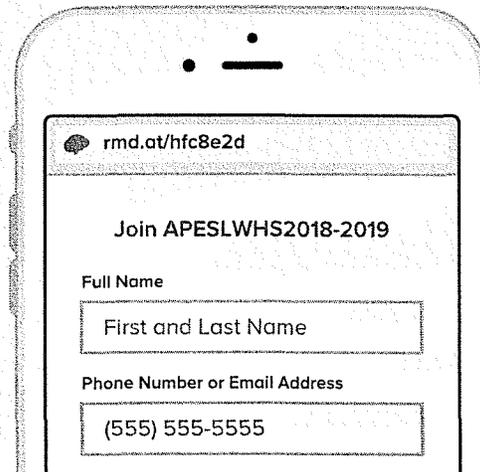
Pick a way to receive messages for APESLWHS2018-2019:

A If you have a smartphone, get push notifications.

On your iPhone or Android phone, open your web browser and go to the following link:

rmd.at/hfc8e2d

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.



B If you don't have a smartphone, get text notifications.

Text the message @hfc8e2d to the number 81010.

If you're having trouble with 81010, try texting @hfc8e2d to (323) 629-4097.

** Standard text message rates apply.*



Don't have a mobile phone? Go to rmd.at/hfc8e2d on a desktop computer to sign up for email notifications.

