



# APES Unit 1

## Earth Systems and Resources

[Course Framework](#)

AP Unit 4

[Slide Presentation](#)

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[Lectures](#)



| Date    | In-Class                                                                                                                                                                                                                                                                      | HW                                                                               | Concepts                                                                                                                                                                                                                                                                   | Online Video                                                                                                                                                                                          | Online Text                                                                                                                                                                                                                                                                                                                                                                  |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M 8/16  | <b>Blue Dot</b><br><a href="#">Intro to Environmental Science</a><br>Explain email, Remind, Quizzes, Field trip, Website<br><a href="#">Mung Bean in Bag</a> Slide 2<br><b>Observe until 8/23</b><br><b>Lab Report due 8/25</b><br><a href="#">AP Classroom</a> (Class Codes) | <a href="#">Rules</a>                                                            | Sustainable, Human needs,<br>Ecological Footprint,<br>Science,<br>Investigations, subjectivity, interactions<br>Graphing, Measuring Impact<br>Sustainability, Economics, supply demand, Wealth, productivity, Kuznets Curve, natural capital, Agencies, laws, regulations, | <a href="#">Scientific Method</a><br><br><a href="#">APES Box: Environmental Worldviews</a><br><br><a href="#">APES Box: Environmental Law</a><br><br><a href="#">APES Box: Environmental History</a> | <a href="#">Economic Forces</a><br><br><a href="#">Environmental Ethics</a><br><a href="#">Measuring (and Reducing) the Human Footprint</a><br>-<br><a href="#">Cultural and Aesthetic Considerations</a><br><a href="#">Multiple Stresses on Interconnected Systems</a><br><br><a href="#">Issues and Options</a><br><br><a href="#">Environmental Laws and Regulations</a> |
| T 8/17  | <a href="#">What A Wonderful World</a><br><i>Attenborough</i><br><a href="#">What is Science PPT</a><br><a href="#">Cats and Windows CER</a>                                                                                                                                  | <a href="#">Log in to AP Classroom</a>                                           |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                              |
| W 8/18  | <a href="#">AP Env Sci Today</a><br><a href="#">Legislative Descriptions</a>                                                                                                                                                                                                  |                                                                                  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                              |
| Th 8/19 | <b>How to Convert Units-Made Easy</b> EP<br><a href="#">Easy-E Conversions PPT</a><br><b>Problem: First 17 only</b> <a href="#">Answers</a>                                                                                                                                   |                                                                                  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                              |
| F 8/20  | <a href="#">Sneezing</a><br><a href="#">I am worried about my grade</a><br>Planet Earth                                                                                                                                                                                       | <a href="#">4.1 Plate Tectonics</a><br><a href="#">YT</a>                        |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                              |
| M 8/23  | <a href="#">APES Quiz 4.1</a><br><a href="#">Evidence for Plate Tectonics</a> Activity<br><a href="#">Video for Split Tank Demo</a>                                                                                                                                           | <a href="#">4.2 Soil Formation</a><br><a href="#">Erosion</a> <a href="#">YT</a> | Plate Tectonics, plate boundaries, hot spots, volcanoes, Rock cycle<br>Energy Flow                                                                                                                                                                                         | <a href="#">Geology PPT</a><br><a href="#">On the Move: The Ocean, Continental Drift and Plate Tectonics</a>                                                                                          | <a href="#">OA3</a>                                                                                                                                                                                                                                                                                                                                                          |

|         |                                                                                                                                                                                                                                                                                                 |                                                                        |                                                                                                                                                                                  |                               |                                            |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------|
| T 8/24  | <a href="#">APES Quiz 4.2</a><br>Earthquake <a href="#">Epicenter</a>                                                                                                                                                                                                                           | <a href="#">4.3 Soil Composition &amp; Properties</a> YT               | Soil Texture Triangle, particle size, porosity, permeability, fertility                                                                                                          |                               |                                            |
| W 8/25  | <a href="#">APES Quiz 4.3</a><br><a href="#">Soil Classification Exercise</a>                                                                                                                                                                                                                   | <a href="#">4.4 Atmosphere</a> YT                                      |                                                                                                                                                                                  | <a href="#">Watershed</a> PPT | <a href="#">OA11</a>                       |
| Th 8/26 | <a href="#">APES Quiz 4.4</a><br><a href="#">The Driving Forces of Climate</a> Activity<br><a href="#">Video for Split Tank Demo</a><br>Draw Seasons, Tides, Coriolis                                                                                                                           | <a href="#">4.5 Global Wind Patterns</a>                               | Atmosphere, gases, temperature gradients, troposphere, stratosphere, Global wind patterns, watershed, Albedo, Latitude, Temperature, Precipitation, El Nino, La Nina, Rainshadow | BZ <a href="#">Atmosphere</a> | <a href="#">OA4</a><br><a href="#">HB2</a> |
| F 8/27  | <a href="#">APES Quiz 4.5</a><br><a href="#">Insolation Lab</a>                                                                                                                                                                                                                                 | <a href="#">4.6 Watersheds</a>                                         |                                                                                                                                                                                  |                               |                                            |
| M 8/30  | <a href="#">APES Quiz 4.6</a><br><a href="#">Manage a Watershed</a>                                                                                                                                                                                                                             | <a href="#">4.7 Solar Radiation</a><br><a href="#">Earth's Seasons</a> |                                                                                                                                                                                  |                               |                                            |
| T 8/31  | <a href="#">APES Quiz 4.7</a><br>Fill-in <a href="#">Chart for Hadley Cells &amp; El Niño</a><br><a href="https://www.climate.gov/enso">https://www.climate.gov/enso</a><br><a href="https://oceanservice.noaa.gov/facts/nino_nina.html">https://oceanservice.noaa.gov/facts/nino_nina.html</a> | <a href="#">4.8 Earth's Geography Climate</a>                          |                                                                                                                                                                                  |                               |                                            |
| W/Th    | <a href="#">APES Quiz 4.8</a><br><a href="#">Heat Transfer Lab</a>                                                                                                                                                                                                                              | <a href="#">4.9 El Nino La Nina</a>                                    |                                                                                                                                                                                  |                               |                                            |
| F 9/3   | <a href="#">APES Quiz 4.9</a><br>AP Classroom<br>AP Browser Test                                                                                                                                                                                                                                |                                                                        |                                                                                                                                                                                  |                               |                                            |
| M 9/7   | <b>Labor Day</b>                                                                                                                                                                                                                                                                                |                                                                        |                                                                                                                                                                                  |                               |                                            |
| T 9/5   | Review Kahoot<br>“LCHS APES 1 Earth Resources”                                                                                                                                                                                                                                                  |                                                                        |                                                                                                                                                                                  |                               |                                            |
| W/Th    | Test Unit 1                                                                                                                                                                                                                                                                                     |                                                                        |                                                                                                                                                                                  |                               |                                            |
| F 9/11  |                                                                                                                                                                                                                                                                                                 |                                                                        |                                                                                                                                                                                  |                               |                                            |

