

AP Environmental Science Day 1 (March 16 & 17)

AP Topics, Big Idea Concepts	EIN-4 The health of a species is closely tied to its ecosystem, and minor environmental changes can have a large impact.
Learning Targets I Can Statements	I can explain how human activities affect biodiversity and strategies to combat the problem.
Essential Question(s)	<ol style="list-style-type: none">1) What is HIPPCO?2) Describe habitat fragmentation.3) Explain the impacts on the environment due to climate change.4) How are humans impacting the species on Earth?
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo HHMI biointeractive - https://www.biointeractive.org/classroom-resources/anthropocene-human-impact-environment
Learning Activities or Experiences	<ol style="list-style-type: none">1) In the unit 9 Folder on Edmodo, download the PDF for the HHMI Anthropocene activity. Click on the link above or in the PDF and launch the interactive. Once finished with the assignment, submit it in the appropriate dropbox on Edmodo.2) Watch the designated edpuzzle for tonight over Loss of Biodiversity and take notes like normal.

AP Environmental Science Day 2 (March 18 & 19)

AP Topics, Big Idea Concepts	EIN-4 The health of a species is closely tied to its ecosystem, and minor environmental changes can have a large impact.
Learning Targets I Can Statements	I can explain how environmental problems associated with invasive species and strategies to control them. I can explain how species become endangered and strategies to combat the problem.
Essential Question(s)	<ol style="list-style-type: none">1) Describe the difference between threatened and endangered.2) Identify the factors that can lead a species to becoming endangered.3) How does competition lead to extinct?
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo
Learning Activities or Experiences	<ol style="list-style-type: none">1) Go to Edmodo and download the endangered species and nonnative species graphic organizers from the Unit 9 folder on Edmodo2) Follow the directions to fill in the tables as best as you can3) Submit the documents in the appropriate dropbox on Edmodo4) Go to Edmodo and download the MMM worksheet for Round 1 in the MMM folder5) Watch the first two round 1s and fill in the chart6) Submit your FINAL current event in the appropriate dropbox on Edmodo

AP Environmental Science Day 3 (March 23 & 24)

AP Topics, Big Idea Concepts	EIN-4 The health of a species is closely tied to its ecosystem, and minor environmental changes can have a large impact.
Learning Targets I Can Statements	I can explain how human activities affect biodiversity and strategies to combat the problem.
Essential Question(s)	<ol style="list-style-type: none">1) What is HIPPCO?2) Describe habitat fragmentation.3) Explain the impacts on the environment due to climate change.4) How are humans impacting the species on Earth?
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo PowerPoint
Learning Activities or Experiences	<ol style="list-style-type: none">1) Go to Edmodo and in the Unit 9 folder find the word document titled Project HIPPCO2) Submit the power point presentation in the appropriate dropbox on Edmodo3) Watch the assigned edpuzzle – Invasive Species4) Go to edpuzzle and watch the last two Round 1s and fill in the chart from last time.5) Once finished, submit the word document in the appropriate dropbox on Edmodo

AP Environmental Science Day 4 (March 25 & 26)

AP Topics, Big Idea Concepts	STB-4 Local and regional human activities can have impacts at the global level.
Learning Targets I Can Statements	I can identify the greenhouse gases.
Essential Question(s)	<ol style="list-style-type: none">1) Name the 5 greenhouse gases2) Describe the natural greenhouse effect3) Identify the sources and potency of the greenhouse gases
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo Explorelearning.com
Learning Activities or Experiences	<ol style="list-style-type: none">1) Go to Edmodo and in the unit 9 folder find the word document for the Gizmo – Greenhouse Effect SE2) Once you have completed the word document, submit it in the appropriate dropbox on Edmodo3) Answer the 5 multiple choice questions under the gizmo4) Watch the edpuzzle – Climate Change

AP Environmental Science Day 5 (March 27 & 30)

AP Topics, Big Idea Concepts	STB-4 Local and regional human activities can have impacts at the global level.
Learning Targets I Can Statements	I can explain how changes in climate, both short and long term, impact ecosystems.
Essential Question(s)	<ol style="list-style-type: none">1) Describe Earth's climate change throughout geologic time2) What are the effects of climate change?3) How are marine ecosystems affected by climate change?
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo
Learning Activities or Experiences	<ol style="list-style-type: none">1) Go to Edmodo and find the file called AP- global warming Stations in the Unit 9 folder2) Read the short summaries of climate change and answer the questions that go with the station3) When complete, upload the document in the appropriate dropbox on Edmodo4) Watch the edpuzzle – ocean acidification

AP Environmental Science Day 6 (March 31 & April 1)

AP Topics, Big Idea Concepts	STB-4 Local and regional human activities can have impacts at the global level.
Learning Targets I Can Statements	I can explain how changes in climate, both short and long term, impact ecosystems
Essential Question(s)	<ol style="list-style-type: none">1) How do the oceanic currents impact ecosystems?2) Describe what happens as the earth warms.3) Identify a consequence if the snow and ice melt.
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo
Learning Activities or Experiences	<ol style="list-style-type: none">1) Go to Edmodo and in the Unit 9 folder find the word document called Climate Change Graphs2) Analyze the graphs and answer the questions that are associated3) Once finished, upload the word document in the appropriate dropbox on Edmodo4) Go to Edmodo and in the MMM folder find the document for Round 25) Watch the Round 2 videos and fill in the chart6) Submit on Edmodo in the appropriate dropbox once completed

AP Environmental Science Day 7 (April 2 & 3)

AP Topics, Big Idea Concepts	STB-4 Local and regional human activities can have impacts at the global level.
Learning Targets I Can Statements	I can explain the causes and effects of ocean acidification.
Essential Question(s)	<ol style="list-style-type: none">1) Describe ocean acidification2) Write the chemical equation for ocean acidification3) How does ocean acidification affect coral reefs
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo http://i2sea.stanford.edu/AcidOcean/AcidOcean2.htm
Learning Activities or Experiences	<ol style="list-style-type: none">1) Go to Edmodo and in the Unit 9 folder find the document Ocean Acidification2) Click on the link above or in the document to get to the virtual lab3) Fill in the questions and follow the instructions to complete the lab4) Submit in the appropriate dropbox on Edmodo when finished5) Go to edpuzzle and watch The Albedo Effect

AP Environmental Science Day 8 (April 6 & 7)

AP Topics, Big Idea Concepts	STB-4 Local and regional human activities can have impacts at the global level.
Learning Targets I Can Statements	I can explain the carbon cycle.
Essential Question(s)	<ol style="list-style-type: none">1) What is transpiration?2) Describe how a molecule of carbon gets transformed through the carbon cycle.3) Relate the carbon cycle to the greenhouse effect.
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo AP Classroom Explorelearning.com
Learning Activities or Experiences	<ol style="list-style-type: none">1) Go to Edmodo and find the document of the Gizmo – Carbon cycle SE in the Unit 9 folder2) Go to explorelearning.com to complete the gizmo3) Answer the 5 multiple choice questions under the gizmo4) Go to AP Classroom to work on your PPC for Unit 95) Go to Edmodo and find the word document for the sweet 16 and elite trait in the MMM folder6) Watch the videos and fill in the chart7) Submit in the appropriate dropbox on Edmodo

AP Environmental Science Day 9 (April 8 & 9)

AP Topics, Big Idea Concepts	STB-4 Local and regional human activities can have impacts at the global level.
Learning Targets I Can Statements	I can explain the causes and effects of ocean acidification.
Essential Question(s)	<ol style="list-style-type: none">4) Describe ocean acidification5) Write the chemical equation for ocean acidification6) How does ocean acidification affect coral reefs
Resources	Wifi District Laptop or personal computer Youtube or Netflix Before the Flood - https://www.youtube.com/watch?v=zbEnOYtsXHA Racing Extinction - https://www.youtube.com/watch?v=0g07uNcdw8o Chasing Coral – Netflix only
Learning Activities or Experiences	<ol style="list-style-type: none">1) Choose one of the following documentaries to watch (Chasing Coral – Netflix only; Before the Flood – Youtube also available on Prime; or Racing Extinction – Youtube)2) If you cannot access one of these please contact me directly and let me know what you can access and I will find a suitable substitute3) Once you have chosen, find the corresponding word document in the Unit 9 folder on Edmodo to use while you watch your documentary4) When finished with the documentary write a 1 paragraph personal reflection on the documentary and include it with the questions (5 – 7 sentence minimum)

AP Environmental Science Day 11 (April 20 - 21)

AP Topics, Big Idea Concepts	STB-4 Local and regional human activities can have impacts at the global level.
Learning Targets I Can Statements	I can explain the causes and effects of ocean warming.
Essential Question(s)	<ol style="list-style-type: none">1) What is ocean warming caused by?2) Describe how ocean warming affects marine species?3) Describe coral bleaching.
Resources	Wifi District Laptop or personal computer Edpuzzle Edmodo
Learning Activities or Experiences	<ol style="list-style-type: none">1) Use the picture notes in the unit 9 folder on Edmodo and fill them in with the power point called Unit 9 Picture Notes in the PowerPoint folder in the Unit 9 folder on Edmodo2) Watch the edpuzzle – what if all the ice melted on earth3) Go to Edmodo and find your Unit 9 vocabulary and define those 20 words4) Go to edpuzzle and watch – stratospheric ozone5) Go to the MMM folder on Edmodo and find the document Final Roar and Championship6) Go to Edpuzzle and watch the Final Roar and Championship fill in the chart