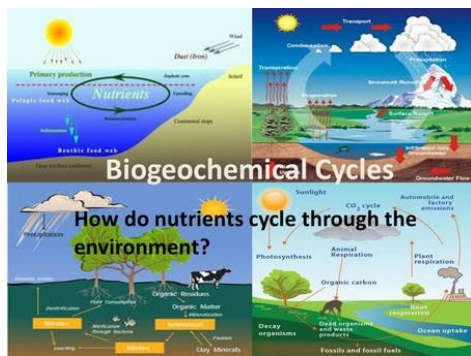


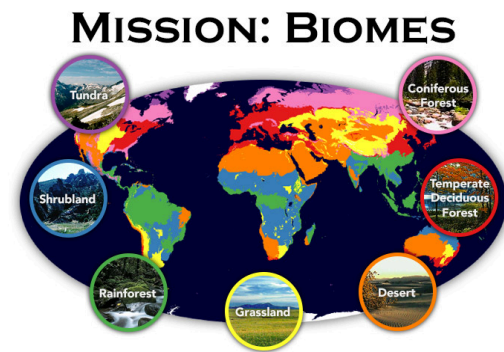


The Living World: Ecosystems

AP Unit 1

Course Framework

AP Classroom



Date	In-Class	Reading	Online Text	Video	Concepts
M 9/16	Saltwater Data Explain why the variables vary as depth increases Data Analysis Sheet	Must be on LCUSD Server to open Chapter 7 Reading Guide 150 -155 Chapter 3 Reading Guide Chapter 5 Reading Guide 105-122 Chapter 6 Reading Guide			primary productivity (Gross & Net) 10% rule Food webs Positive and Negative feedback Predator-prey Symbiosis Competition Resource partitioning land & aquatic biome carbon cycle water cycle nitrogen cycle phosphorus cycle,
T 9/17	Introduction To Ecology Lecture				
W 9/18	EM-1 Owl Pellet Dissection				
F 9/20	EM-2 Introduction to Ecology Activity				
M 9/23	EM-3 Water Cycle Finish Intro to Ecology				
T 9/24	Ch 5-1 Biogeochemical Cycles				
W 9/25	Ch 5-2 Biome Start Biome Speed Dating Zoo Enclosures				
F 9/27	Ch 5-3 Finish Biome Dating				
M 9/30	Ch 6-1 Biome Graphing				
T 10/1	Ch 6-2 Aquatic Biomes				
W 10/2	Ch 6-3 Organism Relationships PPT Butcher the Biomes on Paper		Nature Magazine "Terrestrial Biomes" Major Terrestrial and Aquatic Biomes	Energy Flow in Ecosystems Biogeochemical Playlist Biogeochemical Cycles Biomes Playlist Ecosystem Ecology Watch Ecosystems Video	
F 10/4	Homecoming Work on AP College MC/FRQ		Chapter 3 – Oceans Regulation of Ecosystem Functions		
M 10/7	Kahoot Review				
T 10/8	MC & FRQ				

[vocab](#)
[Climatograph](#)
[Primary Productivity and Light in the Ocean](#) Lab -
the Carbon Cycle Lab - https://serc.carleton.edu/earthlabs/carbon/lab_5.html

FW Water sampling	https://conserve.nmsu.edu/	Water sampling
-------------------	---	----------------

SW Water Quality	https://dataintheclassroom.noaa.gov/content/water-quality	Worksheets
Carbon Cycle	https://test-learnermedia.pantheonsite.io/wp-content/interactive/envsci/carbon/carbon.html	Carbon Cycle Simulator
Carbon Cycle	https://www.windows2universe.org/earth/climate/carbon_cycle.html	Carbon cycle game
Nitrogen cycle	https://www.brainpop.com/games/nitrogencyclegame/	Nitrogen Cycle Game
Biomes/Food Webs	http://glencoe.mheducation.com/sites/dl/free/0078802849/383916/BL_03.html	Ecosystems, Organisms and Trophic levels
Food chains	http://www.glencoe.com/sites/common_assets/science/virtual_labs/CT06/CT06.html	How is energy tranferred through a community of organisms?
Food webs	http://coolclassroom.org/classic/cool_windows/home.html	Food Web Game
Energy Flow 10% rule	http://glencoe.mheducation.com/sites/dl/free/0078802849/383926/BL_02.html	How does energy flow through ecosystems
Biomass pyramids	https://www.biointeractive.org/classroom-resources/exploring-biomass-pyramids	Exploring Biomass Pyramids Interactive
GPP-NPP	https://teachingapscience.com/gppnpp-virtual-lab/	GPP/NPP Virtual Lab
Interspecific competition	http://glencoe.mheducation.com/sites/dl/free/0078757134/383928/BL_04.html	How does competition affect population growth
Predator/prey: intro to ecosystems	http://www.shodor.org/interactivate/activities/RabbitsAndWolves/	Rabbits and Wolves
Predator prey relationship	https://www.eduweb.com/portfolio/studyworks/predators8a.html	Predator-prey simulation (lynx/hare)
Biomes	https://media.hhmi.org/biointeractive/biomeviewer_web/index.html	HHMI Biome Interactive Viewer
Biomes	https://earthobservatory.nasa.gov/experiments/biome	Great graph match OR To plant or not to plant Misssions
Ocean Biome	https://docs.google.com/document/d/1dCMY5IfybJYYz8U4VMbFjldwLRu6cV-10vdRahSlrgg/edit?usp=sharing	Analysis of Data to relationships between info
Biome Graphing	https://docs.google.com/document/d/1fGtrOH4tF4TP0ycTI5kaJk1JgHwBJIzzTkPoexrV0N8/edit?usp=sharing	Students graph Biome data and answer ?

FW Water sampling	https://conserve.nmsu.edu/	Water sampling
SW Water Quality	https://dataintheclassroom.noaa.gov/content/water-quality	Worksheets
Carbon Cycle	https://test-learnermedia.pantheonsite.io/wp-content/interactive/envsci/carbon/carbon.html	Carbon Cycle Simulator
Carbon Cycle	https://www.windows2universe.org/earth/climate/carbon_cycle.html	Carbon cycle game
Nitrogen cycle	https://www.brainpop.com/games/nitrogencyclegame/	Nitrogen Cycle Game
Biomes/Food Webs	http://glencoe.mheducation.com/sites/dl/free/0078802849/383916/BL_03.html	Ecosystems, Organisms and Trophic levels
Food chains	http://www.glencoe.com/sites/common_assets/science/virtual_labs/CT06/CT06.html	How is energy tranferred through a community of organisms?
Food webs	http://coolclassroom.org/classic/cool_windows/home.html	Food Web Game
Energy Flow 10% rule	http://glencoe.mheducation.com/sites/dl/free/0078802849/383926/BL_02.html	How does energy flow through ecosystems
Biomass pyramids	https://www.biointeractive.org/classroom-resources/exploring-biomass-pyramids	Exploring Biomass Pyramids Interactive
GPP-NPP	https://teachingapscience.com/gppnpp-virtual-lab/	GPP/NPP Virtual Lab

Interspecific competition	http://glencoe.mheducation.com/sites/dl/free/0078757134/383928/BL_04.html	How does competition affect population growth
Predator/prey: intro to ecosystems	http://www.shodor.org/interactivate/activities/RabbitsAndWolves/	Rabbits and Wolves
Predator prey relationship	https://www.eduweb.com/portfolio/studyworks/predators8a.html	Predator-prey simulation (lynx/hare)
Biomes	https://media.hhmi.org/biointeractive/biomeviewer_web/index.html	HHMI Biome Interactive Viewer
Biomes	https://earthobservatory.nasa.gov/experiments/biome	Great graph match OR To plant or not to plant Missions
Ocean Biome	https://docs.google.com/document/d/1dCMY5lfybJYYz8U4VMbFjldwLRu6cV-10vdRahSlrgg/edit?usp=sharing	Analysis of Data to relationships between info
Biome Graphing	https://docs.google.com/document/d/1fGtrOH4tF4TP0ycTI5kaJk1JgHwBJlzzTkPoexrV0N8/edit?usp=sharing	Students graph Biome data and answer ?

Biogeochemical Cycles Digital Dice Games