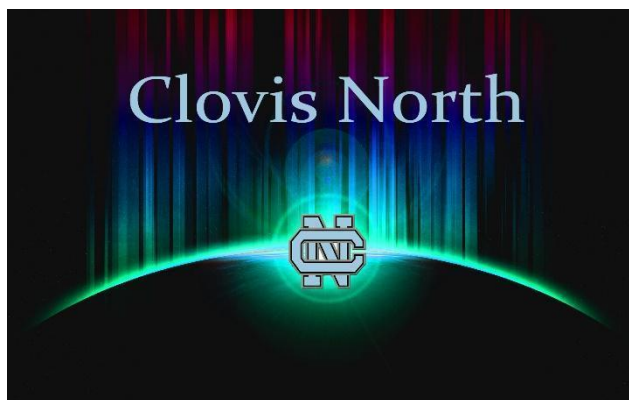




Mr. Alex

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AP Environmental Science **Calendar 2025-26**

Room 187

- Important Links:

- [Course Syllabus](#)
- [Full notes and slides](#) and fill in notes for all sections
- [AP Parent Letter](#) (How to register and pay for the AP test)
- Lockdown Browser Extension [Link](#)
- How to make public comment on the CEMEX Mine Proposal: [LINK](#)
- Interesting [Article](#) on Coal Ash from Crypto Mining Operation
- **AP Exam Review Resources:**
 - Topic [Checklist](#)
 - Past AP Exam [Questions](#) (Look at the questions, answer for practice, then look at keys and sample student responses.)
 - All Bozeman Science [Videos](#)
 - Gimkit Review Questions by Unit ([Unit 1](#), [Unit 2](#))
 - Albert.io Review [Guide](#) (Good resource to review the structure of the test and how to study effectively.)
 - Targeted [Review Guides](#) by Unit
 - Common Misconceptions [Slides](#)

[FRQ Review package](#)

[APES Exam Checklist](#) (ID your areas you need to study!)

[Practice Exam Version 1 Key](#)

Monday (5/4)	Tuesday	Block	Friday
- FRQ #2 Practice (Answer and grade both in class.) - FRQ 2 2024 - KEY - FRQ 2 2025 - KEY - Sample Response	- FRQ #3 Practice (Answer and grade both in class.) - FRQ 3 2024 - KEY - FRQ 3 2025 - KEY - Sample Response	- Common APES Misconceptions slideshow - APES Big Idea slideshow (review)	- Environmental Laws Matching Activity - FRQ Practice

Monday (4/27)	Tuesday	Block	Friday
- MCQ Practice	- Concept Review	- 80 Multiple	- FRQ #1 Practice

- Go over Unit 9 Test	Slides	Choice Practice Exam - APES Semester 2 Final	Answer and correct (Time Permitting) - FRQ 1 2024 (KEY) - FRQ 1 2025 (KEY) - 2025 Sample Response
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Monday (4/20)	Tuesday	Block	Friday
- Unit 9 Test - 23 MCQ - 5 FRQ - Unit 9 Study Guide - Bozeman Science Videos - Stratospheric Ozone Video - Ocean Acidification Video - Climate Change Video - Loss of Biodiversity Video	- Work on and turn in CAST testing Packet (Due tomorrow) - Exam makeups!	- Start MCQ Practice Exam (80 Questions) - Review MCQ Practice Exam - Diagnostic Spreadsheet - Make AP Exam Review Plan 1) ID your wrong answers and to identify what Topics/subtopics you need to study!	- AP Exam info 1) ID your wrong answers to identify what Topics or subtopics you need to study! Use the Spreadsheet! 2) Watch Smedes lecture videos to review topics 3) Use targeted study guides for each section to check knowledge of each topic

Monday (4/13)	Tuesday	Block	Friday
- Unit 9 Review Questions on AP Classroom - - CAST Week Packet (These assignments will be due for everyone on Tuesday 4/21) - Laws Worksheet - Point/No Point Practice 2023 #3 Set 1 - 11th graders are excused from the FRQ re-writing portion. - Computer Math Worksheet	- 11th Grade CAST Testing - Work on CAST Week Packet	- 11th Grade CAST Testing - Work on CAST Week Packet	- 11th Grade CAST Testing Make-Ups - Review for Unit 9 Test (on Monday) - Unit 9 Progress Check - Unit 9 Review Questions - Choose at least 5 questions to answer. (Due Monday) - Bozeman Science Videos - Stratospheric Ozone Video - Ocean Acidification Video - Climate Change Video - Loss of Biodiversity Video

Monday (4/6)	Tuesday	Block	Friday
Spring Break!	- 9.3 - 9.5 Greenhouse Effect and Global Climate Change Notes - 9.3-9.5 Questions (Not an assignment, just there to guide you through the notes.) - EPA Climate Change Info - Global Climate Change Bozeman Science Video - OurWorldinData Climate Data - What sectors do Greenhouse Gases come from? Link	- 9.6 & 9.7 Ocean Warming and Ocean Acidification Notes - Ocean Acidification Reading (Just Helpful) - Ocean Acidification Video - Coral Bleaching Video - Another Ocean Acidification Video - Ocean Acidification FRQ (Due in Class) - Key and Sample Responses Document	- Climate Change Webquest (Due Monday) - Notes for 9.8-9.10 - Updated Practice FRQ (Due In-Class) - FRQ Key and Sample Responses - A growing local issue: Invasive Nutria

Monday (3/30)	Tuesday	Block	Friday
Spring Break!	Spring Break!	Spring Break! - Unit 9 Exam Key Teacher Use Only	Spring Break!

Monday (3/23)	Tuesday	Block	Friday
- Finish Watershed Lab - Review for Unit 8 Test - Helpful Review Topics Slide - Unit 8 Progress Checks (A & B)	- Unit 8 Test - 25 Multiple Choice - 5 Point FRQ Helpful Bozeman Science Videos: - Pollution and Human Health Video - Solid Waste Video - Water Pollution Video	- Walking Field Trip to drinking water treatment plant. - - If you are unable to attend, please complete this assignment. -	- Notes 9.1 & 9.2 - Stratospheric Ozone Video

Monday (3/16)	Tuesday	Block	Friday
- Review Unit 8 Topics from earlier units (8.2, 8.4, 8.5, 8.6, 8.8)	- Notes 8.9, 8.10 - Questions (not an assignment) - Anatomy of a	- Notes 8.11 - Wastewater Treatment Video	- Water Quality Lab (Due Tuesday) - Watershed Lab Data

- Salton Sea Video - Salton Sea FAQ - Salton Sea Information	- Landfill Diagram - Solid Waste Video - Fresno Sanitary Landfill Article Questions (Due Friday) - What goes where? How to choose the right garbage bin.	- Start Watershed Lab	- Fresno Wastewater Info - Water Quality Indicators Explained - Water Pollution Video Test on Tuesday - Unit 8 Progress Checks (A & B)
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Monday (3/9)	Tuesday	Block	Friday
- Notes 8.15 - 10 Toxins to Know - Diseases and Toxins to Know Table (Due Friday) - Use the notes and the ToxFAQs to fill in the table.	- Diseases and Toxins Jeopardy - Finish Toxemon Card	- Collect Toxemon Cards - Toxicity Lab (TBD) - Go over Unit 7 Test	- Review Resources: - Bozeman Science Pollution and Human Health Video - Unit 8 Part 1 Practice Questions on AP Classroom (Topics 8.1, 8.3, 8.7, 8.12-15) - Unit 8 Part 1 Quiz - 15 Multiple Choice - No FRQ

Monday (3/2)	Tuesday	Block	Friday
- Unit 7 Test - 25 Mult. Choice - 8 Point FRQ	- Introduce Unit 8 (Aquatic & Terrestrial Pollution) - Notes 8.1, 8.3, 8.7 - Answer Questions on Slides 24 & 25 - OR Complete the notes. Checking on Block Day.	- Notes 8.12, 8.13, 8.14 - Toxemon Cards (Due Next Block) - Stockholm Convention Info - Start Water Pollution Documentary - Video Questions (Due In-Class Monday)	- Finish Water Pollution Documentary (Due In-Class Monday)

Monday (2/23)	Tuesday	Block	Friday
- Notes 7.5-7.6 - Topic 7.5 Discussion Questions - Topic 7.6	- Notes 7.8 - Clean Air Act - Noise Pollution Site - Noise Pollution	- Air Pollution Lab (Due Monday) - Class Data - Alternative Lab If Absent (Link)	- Posters Due - Unit 7 AP Classroom Review Questions (Due In Class) - Unit 7 Study Guide

Discussion Questions - Indoor Air Pollution: EPA - Indoor Air Pollution: CDC	Video - Time to work on posters. - Grade Unit 6 Exam FRQ (time permitting)	- Complete at home. - Finish Posters - What if your car emissions came out in solid chunks?	(Optional) - Bozeman Science Video on Air Pollution <u>Unit 7 Test on Monday</u>
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Monday (2/16)	Tuesday	Block	Friday
- OFF Helpful Textbook Reading For This Week: Pages 600-616	- Notes 7.1 (Air Pollution) - HW: Find a recent (Last 6 Months) news article that relates to 7.1 (Due Friday) - One paragraph <u>summary</u> - One paragraph <u>connection</u> to concepts - <u>Underline</u> vocabulary terms - <u>Handwritten</u> - Air Pollution Reading/Charts - Air Pollution Study Graphic - Our Nation's Air (US EPA)	- Continue Notes 7.2-7.4 - Photochemical Smog Info Page - Smog Formation Video - Introduce "Dirty 6" air pollution wanted poster project (Due Next Friday) - Helpful Website Links	- Bozeman Science Air Pollution Video - Notes 7.7 - Discussion Questions - Acid Rain Video

Assembly Week Schedule - Block on Tuesday and Wednesday			
Monday (2/9)	Block	Thursday	Friday
- OFF	- Notes 6.13 + Energy Math Units - Energy Units Video - Math Practice on whiteboards. (with groups of up to 3) - 2021 Coal Ash FRQ + KEY - 2022 Solar FRQ + KEY - 2023 Oil and Gold FRQ + KEY - 2024 Nuclear FRQ + KEY - Complete one question of your choice after	- Unit 6 Practice Questions on AP Classroom - Unit 6 Review Questions: 6.7-6.13	- Unit 6 Exam - Non-Renewables - Renewables - Energy Conservation + Math - Review Resources: - AP Classroom Questions - Bozeman Science Videos for Fossil Fuels, Nuclear, and Renewables

	doing the class practice in the notes. - Optional Read, cool article. - Geologic Hydrogen Storage Article		
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Monday (2/2)	Tuesday	Block	Friday
- Intro to Renewable Energy - Renewable Energy - Packet of POWER - Renewable Energy Video Playlist - Student Energy Website	- Work on Renewable Energy - Packet of POWER - Due on Friday Helpful Renewables Links: - Department of Energy Site - EIA Site - Notes 6.7-6.12 - Textbook Pages 452-480 - Fiveable Site	- Wind Energy Lab (Due Tuesday) - Finish Renewable Energy - Packet of POWER	- - Discussion Questions - Work on Wind Lab Questions

Monday (1/26)	Tuesday	Block	Friday
- Finish 6.4 & 6.5 Notes - Watch Videos on Fossil Fuel Sources - Coal Video - Oil Video - Oil Sands Video - Natural Gas Video - Hydraulic Fracturing Video - Pro/Con Poster on Fossil Fuels (Due end of Block Period) - Read textbook pages 420-435 (very helpful for poster) - Science Class Registration	- PBS Nova Video (Treasures of the Earth: Power) + Questions (Due in class) If Absent, find a recent news article on fossil fuels and write a short summary.	- Notes 6.6 (Nuclear) - Coal vs Nuclear Worksheet (Due Friday) - Non-Renewables Review Questions Set (Just in-class discussion) - Unit 6 Progress Check Part A - Spent Fuel Pool What-If (Funny Webcomic) - 3D reactor diagram	- 6.1-6.6 Quiz - 12 Mult. Choice - 3 FRQ - Review Videos: - Fossil Fuels - Nuclear - Go over the last test.

Monday (1/19)	Tuesday	Block	Friday
	- AP Classroom - Unit 5 Part 2 Practice Questions - Review for Test - Helpful Review Videos - Fishing - Mining - Land Use	- Unit 5 - Part 2 Test Covering Topics 5.8-5.13, & 5.16 (Fisheries, Mining, Urbanization, and Sustainability) - 20 Multiple Choice - 6 Point FRQ - Intro to Energy Reading/Map Link - Articles and Charts on Energy - The World's Energy Problem Article - How does Electricity Get to You Article - Notes 6.1-6.3 - Answer 6.1-6.3 Follow Up Questions (Slide 22) on a separate sheet of paper. (Due Monday)	- Notes 6.4 - 6.5 - Coal Video - Oil Video - Oil Sands Video - Natural Gas Video - Hydraulic Fracturing Video

Monday (1/12)	Tuesday	Block	Friday
- Notes 5.9 (Mining) - Mining Video (Bozeman Science) - Mining Vocabulary (Due Friday)	- Virtual Mining Lab (Due Friday)	- Frontline - Pebble Mine Documentary - Documentary Discussion - Notes 5.10 and 5.11 - Land Use Video - Ecological Footprint Calculator - Choose one action to take that will decrease your ecological footprint. - Optional Reading of local interest. - CEMEX Mining Expansion Article	- Stamp Vocab - Notes 5.12, 5.13 - Land Use Video

Monday (1/5)	Tuesday	Block	Friday
- OFF	- Overfishing Video - Fishing Notes (Topics 5.8 & 5.16)	- Salmon Farming Aquaculture Video - Kelp Farming Aquaculture	- Practice FRQ (Fisheries) - See me for a paper copy to

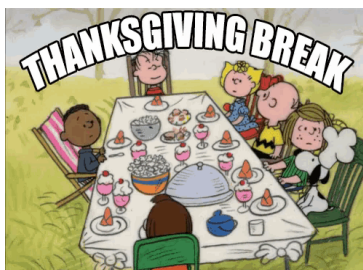
	- Fishing Vocab (Due Friday) - Terms & Definitions (or drawings) - Bozeman Science Fishing Video	- Fishing Simulation Competition - If Absent: Article Summary Assignment (See Mr. Alex)	make up. - Peer-grade In-Class - Monterey Bay Aquarium Seafood Watch Guide Info: - Guide Website - Guide PDF - Guide Video
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Monday (12/15)	Tuesday	Wednesday	Thursday	Friday
- All Periods - Review	- Finals 1 & 4	- Finals 2 & 6	- Finals 3 & 7	Make-Ups

Monday (12/9)	Tuesday	Block	Friday
- Notes 5.2 & 5.17 - Discussion Questions - Forestry and Rangelands Video - Fire Suppression Article(Read and Write 2 paragraph Summary) - Due Tuesday (Handwritten) - Forests and Deforestation Charts - Optional Reading: "The Staggering Value of Forests - and How to Save Them"	- Grade Meat Production FRQs - Final Reviews: OPTIONAL - Unit 4 - Earth systems - Unit 1 Living Systems - Unit 2 Biodiversity - Unit 3 Populations - Unit 5 (Only Topics we have covered.) - Find which topics you are least certain about and review those concepts.	- Work on Reviews or other study resources - Options: - AP Classroom Questions (Fall Final Review - Topic Questions) - Review Guides - Gimkit Practice Questions by unit. - Unit 1 - Unit 2 - Unit 3 - Unit 4 - Unit 5 (some topics from next semester.) - All Units Mega-Set	- Diagram Drawing Review Activity - Class Drawings at the link above. - Digital Citizenship

Monday (12/1)	Tuesday	Block	Friday
- Salinization Lab - Notes 5.7 - Meat Production	- "Meathooked" Video and Questions (Due	- Pest Research Project Due - Biggest Little	- FRQ Quiz on Meat Production

Charts - Environmental Impacts of Food Production Charts	Friday)	Farm Video - Go over Ag Quiz (Time permitting)	- 10 Points
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Monday (11/17)	Tuesday	Block	Friday
- Notes 5.15 - Soil Lifespans Article - Pest Research Project (Due 12/3)	- Salinization Lab Data Collection (Due Friday) - Class Data Collection Sheet	- GMO Video - Other GMO Video - GMO Research Poster Project (Due Friday) - AP Classroom Practice Agriculture Questions	- Collect Salinization Lab and GMO Research Projects - Quiz (12 Mult. Choice & 4 FRQ) - Topics 5.3, 5.4, 5.5, 5.6, 5.14, & 5.15 - Review Tools - Ag Practice Questions on AP Classroom - Ag Review Video - Smedes Unit 5 Videos Playlist

Monday (11/10)	Tuesday	Block	Friday
- OFF	- OFF	- Soil Analysis Lab(Collect data and finish lab report) - Salinization Lab Setup - Notes 5.6 & 5.14 (Time Permitting) - Pesticide Video - IPM Site -	- Finish Notes 5.6 & 5.14 - IPM Video - Discussion Questions for 5.6 & 5.14 - Pest Research Project (Due 12/2)

Monday (11/3)	Tuesday	Block	Friday
- Unit 3 Progress Check on AP Classroom - Gimkit Review Questions (Unit 3) - Soil Collection Instructions - Bring a jar of soil from home on Block day. - Jar test info	- Population Exam (3.1-3.9) - 20 (22 new) Multiple Choice 5 FRQ - Review Resources: - Bozeman Science Video 1 & Video 2 - Gimkit Review Questions - AP Classroom - Unit 3 Progress Check - Unit 3 Practice Questions	- Notes 5.3 & 5.4 - Set up soil test (Video) - Agriculture Article Reading Assignment (Due Thursday)	- Notes 5.5 Irrigation (complete on your own) - Subsidence in the Central Valley Video - Central Valley Water Issues Video - How Groundwater and Wells work Video - Continue working on Agriculture Article Reading Assignment (Due next Thursday)

Monday (10/28)	Tuesday	Block	Friday
- Finish 3.7 Notes - Population Pyramids Assignment (Due Friday) - Population Pyramids Link - CBR Data - CDR Data	- Notes 3.8 - Population Math Worksheet (Due Friday) - Video of Solutions - Population Formula Sheet - Population Demographics of South Korea Article (Not required, just an interesting read.)	- Notes 3.9 - Don't Panic Documentary Video - If absent, read this article. - Demographic Transition Model Assignment (Due Friday)	- Collect Assignments: - Population Pyramids - Population Math - Demographic Transition Model Cut & Paste - Human Populations Quiz - Study Resources: - Bozeman Science Video - Topic Questions on AP Classroom

Monday (10/20)	Tuesday	Block	Friday
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- Review Populations POGIL - Notes 3.1-3.2 - Population Ecology Video	- Notes 3.3-3.5 - Population Ecology Video	- Natural Populations Lab (Due Friday) - Mouse Population Simulation - Notes 3.6 - (Moved to Friday) - World Population Growth Info	- Quiz on 3.1-3.5 - Notes 3.7 - Fertility Rate Info - Population Pyramids Assignment (Due Next Friday) - Population Pyramids Link - CBR Data - CDR Data
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Monday (10/13)	Tuesday	Block	Friday
- Start Documentary Connection Review - If absent, use this video	- Finish Film Review (Due Block) Link to the video is on Monday's post. - Practice Questions for Unit 1 in APclassroom. (Optional) - Practice Questions for Unit 2 in APclassroom (Optional) - Use the Targeted Review Guides that are on MrAlexScience.com - Use the Gimkit review for Units 1 and 2	- Ecosystems and Biodiversity Exam - Topics 1.1-1.3, 1.8-1.11, & 2.1-2.7 - 30 Mult. Choice - 10 Point FRQ	- Intro to Populations - Populations POGIL (Due Monday) - Read Section 7.3 in the textbook.

Monday (10/6)	Tuesday	Block	Friday
-Submit Biodiversity Labs (Counting Species and Biodiversity) -Review Notes 2.3 Look at supplemental notes that I have posted for you in the virtual lab. -Notes 2.4-2.5	- Island Biogeography Lab (Due Friday) - Ignore "Evaluation" Section	-Notes 2.6-2.7 -Succession Video - Biodiversity review (2.1-2.7) - Review Questions on AP Classroom -	- Quiz (2.1-2.7) - 13 MCQ - 2 FRQ - Helpful Review Videos: - Biodiversity Video - Ecosystem Change Video

- Indicator Species Video - Indicator Species Video - Look at Virtual Island Example Before our lab tomorrow!			- Succession Video
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Monday (9/30)	Tuesday	Block	Friday
-Review and peer grade The FRQ quiz from Friday - 1.1-1.11 FRQ Quiz -2.1 Notes Intro to Biodiversity	- Finish 2.1 notes - Notes 2.2 Ecosystem Services - Importance of Biodiversity Video - Simpson's Diversity Index Math Instructions Cool Video about Wasp Galls	- Start Biodiversity Lab (Due Mon) Skip Evaluate Portion. - Transect Line Video - Quadrat Video - Elephant Census Video - Quadrat vid 2 - Importance of Biodiversity Video -	- Notes 2.3 Island biogeography (Complete on your own.) - Ant Apocalypse Video - Work on Eco-tourism projects

Monday (9/22)	Tuesday	Block	Friday
- Notes 1.9 & 1.10 - Helpful Reading for NPP and Energy Flow - Energy Flow Video - Ecological Pyramids Assignment (Due end of Block)	- Check Primary Productivity Questions KEY - Notes 1.11 - Trophic Cascade Video - Another Video - Eating on a Lower Trophic Level Math (Due end of Block)	- Personal Progress Check for "Unit 1" on AP Classroom - Time to finish assignments - Eating at a Lower Trophic Level KEY - Ecological Pyramids Assignment KEY - Eating Bugs Video - Time to work on Eco-tourism Projects	- 1.1-1.11 FRQ Quiz (10 Points) - 1.1-1.3 & 1.8-1.11 Helpful Review: - Ecosystem Ecology Video - Energy Flow Video - HW: Notes 2.1

Monday (9/15)	Tuesday	Block	Friday
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- Intro to Unit 2 (Living World) - Notes 1.1 - Read textbook pages 181-185	- Introduce Biome Project (Due 10/9) - HHMI Biome Viewer - Biome Info Site - Notes 1.2-1.3 - We will do 1.3 first. - Interesting Reading about the Morro Bay Estuary	- Finish Notes 1.2-1.3 - Terrestrial Biome Puzzle - Biome Puzzle KEY - Time to work on project	- Discuss AP Test Registration - Notes 1.8 - Helpful Reading for NPP and Energy Flow - Primary Productivity Questions (Due Tuesday) - Cool Ocean Dynamics Reading (Optional)
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Monday (9/8)	Tuesday	Block	Friday
- Notes 4.7 - Video for Lecture Notes - Time to work on project	- Collect biogeochemical cycles posters - Biogeochemical cycles FRQ - Peer Grade with Rubric - Notes 4.8 (Do for Homework or watch video) - 4.8 Lecture Video - Textbook Pg. 128	- 4.9 Notes (ENSO) - Textbook Pg. 121-122 - ENSO Reading - Lecture Video - ENSO Video #1 and ENSO Video #2 - Unit 4 Progress Check (Mult. Choice only) AP Classroom - Optional: Topic Question Set for Earth Systems Review	- Earth Systems Unit Test (4.1-4.9 + Biogeochemical Cycles) - Recommended Review: Boze man Science Videos - Suggested Textbook Pages - Notes Slides - Fun (optional) Reading: What if the land masses on Earth were rotated by 90 degrees? Link

Monday (9/2)	Tuesday	Block	Friday
- Collect Tragedy of the Commons Activity - Syllabus (Due Monday) - Join Google Classroom, AP	- Earth Systems Notes (4.1 & 4.2) - Geology Video - Soils Video - HW: Find a	- How to FRQ - Test Details - FRQ Tips - Previous Exam FRQs - Practice FRQ	- DDT & TOC Quiz - 7 MCQ - 4 FRQ - Notes 4.4

Classroom , and Remind - Join Codes by Period - Practice AP Classroom Questions (Due Friday)	recent news article that relates to 4.1 or 4.2 - One paragraph summary of article - Second paragraph connection to concepts/n otes - <u>Underline</u> vocabulary terms - Handwritt en - (Due Block Day)	(Complete as a group, grade in class.) - Key will be posted on Thursday after school. - Notes 4.3 - Soils Video - Bring ID Card for Textbook Checkout.	
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Monday (8/25)	Tuesday	Block	Friday-
- Collect Tragedy of the Commons Activity - Syllabus (Due Monday) - Join Google Classroom and AP Classroom , - Practice AP Classroom Questions (Due Friday)	- Earth Systems Notes (4.1 & 4.2) - Geology Video - Soils Video - HW: Find a recent news article that relates to 4.1 or 4.2 - One paragraph summary of article - Second paragraph connection to concepts/n otes - <u>Underline</u> vocabulary terms - Handwritt en - (Due	- How to FRQ - Test Details - FRQ Tips - Previous Exam FRQs - Practice FRQ (Complete as a group, grade in class.) - Key will be posted on Thursday after school. - Notes 4.3 - Soils Video - Bring ID Card for Textbook Checkout.	- DDT & TOC Quiz - 7 MCQ - 4 FRQ - Notes 4.4

	Block Day)		
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Monday (8/18)	Tuesday	Block	Friday
- Cat Drop Puzzle - Cat Drop Video - Cat Drop Comic Strip Assignment (Due Block)	- DDT and APES themes Lecture Notes - Malaria Information - DDT Fact Sheet	- Tragedy of the Commons Activity (Due Monday) - Video - Helpful Resources - Reading - Video - Reading - Class Meetings second hour of Block period	- No Backpack Day