Sem 1 Schedule: Anat & Phys (pd 3) APES (pds 2,4,8) **Opportunity Day:** Monday & Wednesday AM







APES, sem 1 🐆 🐞 🌾







The most important things (IMHO) from the **HS News** this week, include:

Monday	Tuesday	Wednesday	Thursday	Friday
No School– Final day of vacation	Day 6 Heroes (MPR) 11th grade (Theater)	Captains meeting (advisory)	Day 6 CWW Planning Day 12th has normal class	See you next semester, maybe in a different period!
	Crema de zanahoria Pasta and meatballs	Sopa de centavitos Bandeja tipica	Minestrone Pollo napolitana	Consome celestino Arroz con camarones

14 August (day 2)— Class #1 ✓

16 August (day 4)— Class #2 ✓

Unit 1— Services & Sustainability

- 21 August (day 6)— Class #3 ✓
- 23 August (day 8)— Class #4 ✓
- 27 August (day 2)— Class #5 ✓

- 30 August (day 4)— Class #6 🦆 🗸
- 3 September (day 6)— Class #7 ✓
- 5 September (day 8)— Class #8, distance learning ✓
- 9 September (day 2)— Class #9 ✓

12 September (day 4)— Class #10 ✓

17 September (day 6)— Class #11 ✓

19 September (day 8)— Class #12, Summative 🐓 🗸

Unit 2— Biodiversity & Ecosystems

- 23 September (day 2)— Class #13 ✓
- 25 September (day 4)— Class #14 ✓
- 27 September (day 6)— Class #15, planned absence ✓
- 1 October (day 8)— Class #16 ✓
- 3 October (day 2)— Class #17 🦆 🗸

5-14 October — October Break

- 15 October (day 4)— Class #18 ✓
- 17 October (day 6)— Class #19 ✓
- 21 October (day 8)— Class #20 ✓

- 23 October (day 2)— Class #21 ✓
- 25 October (day 4)— Class #22 ✓
- 29 October (day 6)— Class #23 ✓
- 31 October (day 8)— Class #24 ✓
 - 1 November— Half-Day for Halloween 🎃

11 November— Independencia de Cartagena (Festivo

Unit 3— Energy Resources & Human Populations

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12 November (day 4)— Class #26 ✓
    14 November (day 6)— Class #27, Summative ✓
    18 November (day 8)— Class #28 ✓
    20 November (day 2)— Class #29 ✓
    22 November (day 4)— Class #30 ✓
    26 November (day 6)— Class #31 ✓
    3 December (day 8)— Class #32 ✓
    5 December (day 2)— Class #33 ✓
    9 December (day 4)— Class #34, Review ✓
    11 December (day 6)— Class #35, Summative ✓
    13 December (day 8)— Class #36, Semester Cumulative Exam Review Day ✓
Cumulative Semester Exams ✓
    14 January (day 6)— Class #37, Population Summative Retakes
    16 January (day 8)— Class #38, Movie Day (CWW planning 10th-11th)
         20-24 January — CWW
         27 January— Second Semester Begins
Past announcements
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15 August— First Day of School

14 August (day 2)— <u>Class #</u>1 ✓

Today's Playlist—L'Impératrice

Activity (+ time)		Description	Material(s)
	Sharing	Welcomes & <u>Introductions</u>	Info Survey
	Overview	Course Syllabus, GClassroom, Webpage questions?	GClass 5dl4sqc
	Pretest	Quick short-answer quiz about major topics and concepts in this class. You will self-grade your own pretest.	writing materials APES Pre-test 23-24

Assessment — GET A NOTEBOOK! This is a non-negotiable

16 August (day 4)— <u>Class #</u>2 ✓

Today's Playlist— Phantom Planet

Activit	y (+ time)	Description	Material(s)
	Survey	After a quick review of the course overview and materials, complete an environmental attitudes survey. Discussion will follow. 1. How much about the concept of "worldviews" have you known about before? 2. To what extent do you agree with your results? Disagree? 3. Is your worldview the only correct one? 4. What might influence changes in our worldview?	Unit Homepage What's your environmental worldview?



Simulation

Introduce the first new material and, quite possibly, one of the most important concepts we will apply during the entire year.

□ Carbon Cycl...□ Data Table fo...□ Carbon Cycle

<u>Assessment</u>— submit your carbon cycle data + model at the end of class. And ENJOY your first puente!!!

19 August— Asunción de la Virgen (Festivo)

Unit 1— Services & Sustainability

Through the lens of Colombia

21 August (day 6)— <u>Class #</u>3 ✓

<u>AP Lesson Content</u> — 5.1 Tragedy of the Commons (TOTC)

Today's Playlist— Karol G

Activi	ty (+ time)	Description	Material(s)
(O)	Do Now	MCQ about the Carbon Cycle. Correct answers go into the raffle for a duck	MCQ Do Nows menti.com
	Intro Unit	<u>Unit 1: Services and Sustainability</u>	¥
	тотс	Dynamic introduction to the MOST important concept with a lab, discussion and a few notes	
	Resources	Classify resources, define max. sustainable yield, and discuss solutions to TOTC	Explaining Resource Depletion 1.1 TOTC lab 1.1 QUIZ Renewa Discussion examples

Study Guide Packet Materials — APDVs [5.1], Textbook [p.262-265], MCQ [1-2], FRQ [1-2]

23 August (day 8)— <u>Class #</u>4 ✓

<u>AP Lesson Content</u> — 6.1 Natural Resources, 6.4 Distribution of Natural Resources Today's Playlist — Jennifer Lopez

Activity (+ time)		Description	Material(s)
€.	Do Now	MCQ about the TOTC. Correct answers go into the raffle for a duck	MCQ Do Nows menti.com
	Resources	Classify resources, define max. sustainable yield, and discuss solutions to TOTC	Explaining Resource Depletion
	Data analysis	Analyze the distribution of natural resources. Which are renewable, nonrenewable? Which countries have the most?	2. Analyzing Resource Distribution Group Doc

Folder of Data

Study Guide Packet Materials — APDVs [6.1,6.4], Textbook [p.12]

27 August (day 2)— <u>Class #</u>5 ✓

<u>AP Lesson Content</u> — 2.5 Natural Disruptions

Today's Playlist— Ben Folds/Ben Folds Five

Activity (+ time)		Description	Material(s)
(O)	Do Now	MCQ about the resource. Correct answers go into the raffle for a duck. Can earn up to THREE entries. First drawing on Friday.	MCQ Do Nows menti.com
	Copper	Brief recap and current/historical events related to natural resources.	☐ Tuesday lesson lesson page
ķ	Lecture, Activities	Introduce another broad concept, DISRUPTIONS. After some key terms and examples, you will work in your lab groups on two activities related to long-term climate change as a disruption.	S.4 Milankovit temp-and-co2 2.5 materials Calculators, glue

Study Guide Packet Materials — APDVs [2.5], Textbook [1.73-77]

29 August— Open House

30 August (day 4)— <u>Class #</u>6 **♣** ✓

AP Lesson Content — 4.1 Plate Tectonics

Today's Playlist— Keane

Activi	ity (+ time)	Description	Material(s)
	Do Now	In place of an MCQ review, we will do our first raffle drawing for ducks! Winners: • Period2 Luciana and David • Period4 Jose and Juandi • Period8 Veronica and Pablo	™ MCQ Do Nows
2	Lecture, Activities	Wrap-up natural disruptions with some quick calculations about temperature and CO2	temp-and-co2
	Lab work	Quick lecture introduction to plate tectonics and boundaries, then you will work in your lab group to analyze maps of plate tectonics.	lesson page Printed materials (map, wkst, info)







<u>Assessment</u>— You must be able to ID where the three plate boundaries are located with reason for the Exam

Study Guide Packet Materials — APDVs [4.1], Textbook [10.207-221], MCQ [3-9]

3 September (day 6)— Class #7 ✓

AP Lesson Content — 4.9 El Niño y La Niña

Today's Playlist— J Balvin

Activ	ity (+ time)	Description	Material(s)
(O)	Do Now	3 MCQs about the resource plate tectonics for up to two raffle entries! Next drawing in two weeks	MCQ Do Nows menti.com
	Lecture	El Niño began early in 2023, and it has already ended. Now, we are likely at the start of La Niña. Quick coverage of a periodic natural disruption, ENSO. This contributes to the warmer than avg. ocean temps this year and the powerful severe weather in Asia and the N. America	<u>lesson page</u>
	FRQ Drill	First, register in AP Classroom. Sophomores may need to create a new College Board account. At the same time, begin the "El Niño and La Niña FRQ Drill". You will have 25 min. You may have your notes available during only this FRQ	Join Code: NQRGXM

<u>Assessment</u>—Next duck raffle is <u>19 September</u>, the day of the summative. Everyone may retake the summative without it counting as your ^{one retake}/_{semester}. If you achieve a '4' on your first take, you automatically earn a duck.

Study Guide Packet Materials — APDVs [4.9], Textbook [p. 87–99]

5 September (day 8)— <u>Class #</u>8, distance learning ✓

<u>AP Lesson Content</u> — 5.11 Ecological Footprint, 5.12 Introduction to Sustainability Today's Playlist — Soda Stereo (*I am seeing a cover band Friday night!*)

Activity (+ time)		Description	Material(s)
(O)	Do Now	Two MCQs about ENSO for one raffle entry! Next drawing on 19 September (day 8)— Class #12, Summative. • Period 4, how we will make-up the ENSO material is	MCQ Do Nows menti.com
		Introduction to the concept using the Galapagos Islands, and discussions in small groups. We will follow up with essential knowledge about the footprint for the exam, such as critiques & the factors that go into calculating footprints	lesson page Food, Water, Waste
	Concept Explanation	Introduction to sustainability indicators while using the example of Sustainability: Then, Now and Later. End of the period, discuss what to expect next class	Charting Sustainability through Time Reading Year: 1900 Readings Year: 1960 Readings Year: 2019

<u>Assessment</u>— <u>IMPORTANT!</u> Have two things pasted in your notes for today that you will use in tomorrow's MCQ review. Ecological footprint data for students, green roof pollution data <u>Study Guide Packet Materials</u>— APDVs [5.12], Textbook [0.1-11,0.13-14], MCQ [10-14], Measure your impact [1-3]

9 September (day 2)— Class #9 ✓

<u>AP Lesson Content</u> — 2.2 Ecosystem Services

Today's Playlist— Whitney Houston

Activity (+ time)		Description	Material(s)
10 1	Do Now	Two questions about FOOTPRINTS (1 entry). Two questions about SUSTAINABILITY (1 entry). BUT three entries if you get all four correct	MCQ Do Nows menti.com
	Ecosystem Services	This will be a fast-paced period. We will start with pasting your notes + quick lecture with examples, then a lab-group scavenger hunt, and finish with a podcast.	<u>lesson page</u>

<u>Assessment</u>— submit your analysis of ecosystem services via GClassroom. SUMMATIVE ON 19 <u>September</u>! 25 MCQ, 1 FRQ. Have your computer that day, or I will have one provided for you. <u>Study Guide Packet Materials</u>— APDVs [2.2], Textbook [10.77–81], MCQ [15], FRQ [3]

10 September— Simulacro Prueba Saber (11/12th), Lectura Critica (10th) 17 September— Explore! Begins

12 September (day 4)— Class #10 ✓

AP Lesson Content — 2.3 Island Biogeography

Today's Playlist—Rihanna

Activity (+ time)		Description	Material(s)
6	Do Now	Two MCQs about Services for one raffle entry each! Next drawing on 19 September (day 8)— Class #12, Summative. Winners of the Services Scavenger Hunt! • Period2Laura, Carlota, Sebastian and Luciana • Period4Juandi, Noah and Santi • Period8Federico/Veronica & Pablo/Camila/Martina	MCQ Do Nows menti.com
***************************************	Lab	Our first of many labs involving beans. You will be using lentils to test the theory of island biogeography. ID variables, graph, explain results in real contexts	Lentils, plates 1.6 Island Biog Lab Laughing Gulville Varyus line Laughing Gulville Varyus line
	Lecture	MAINLAND SOON SOON SOON SOON SOON SOON SOON SO	<u>lesson page</u>

Assessment — Summative next week!

<u>Study Guide Packet Materials</u> — APDVs [2.3], Textbook [<u>p. 130-134</u>,<u>p. 171-173</u>], MCQ [16], FRQ [4]

13 September— PD Day (no students)

17 September (day 6)— <u>Class #</u>11 ✓

<u>AP Lesson Content</u> — 9.10 Human impacts on biodiversity

Today's Playlist— Mark Ronson

Activi	ty (+ time)	Description	Material(s)
	Wrap-up!	Brief review of the material covered last class before wrapping up on HIPPCO and islands. In your lab groups, collect data to make decisions about bird conservation and human development.	lesson page 06 Habitat-F 1.6 KEY habit
ķ	REVIEW!!!	A mad scientist trapped your whole class in the classroom. In order to escape, you must use your knowledge of ecology to convince him to let you go. Answer the questions at each level and be sure to record each answer. Once all levels are complete, retrieve the completion code to break out and save the day. You must hurry and escape before you are trapped forever!	Review Escape Room







<u>Assessment</u>— You must bring your computers next class AND have the Lockdown Browser installed! INSTRUCTIONS

<u>Study Guide Packet Materials</u>— APDVs [9.10], Textbook [<u>p. 130-134</u>, <u>p. 500-507</u>], MCQ [17-19], FRQ [5]

19 September (day 8)— <u>Class #</u>12, Summative 🦆 ✓

<u>AP Lesson Content</u> — U1 MCQ Do Nows Unit 1 Study Guide Packet 24-25

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Activi	ity (+ time)	Description	Material(s)
	Summative	If you do not have the lockdown browser installed DO THAT NOW! One FRQ + 25 MCQs. You will have 55 minutes to complete it, via AP Classroom.	Laptops iPad (<u>Safari browser</u>) pen(cil), paper, highlighter
	Do Now	To wrap up the unit, we will do our second raffle drawing for ducks! • Period 2 Randall and Simon V • Period 4 Nat and Mateo • Period 8 Luciana and Martina! If you earn a 42 on the first take of the U1 summative, you earn a duck!	™ MCQ Do Nows
	Video	Introduce the concept behind your next summative, a restoration project	■ 50 Years Ago, "Ecosystem Architects"

Unit 2— Biodiversity & Ecosystems

Through the lens of the Galápagos Islands

23 September (day 2) — Class #13 ✓

<u>AP Lesson Content</u>— 2.1 Introduction to biodiversity; 3.1 Generalist and specialist species Today's Playlist—Manu Chao

Activity (+ time)		Description	Material(s)
(C)	Review	Receive and review your summative performance. Resubmissions due by October 4. Resubmit your work via a shared Google Docs, where you: Attach your error analysis worksheet; Provide corrected responses for the FRQ; Reflect on the learning resources you used. VOTE ON MY OT!	■ Summ ■ Reflect

Intro unit	We might watch one of my travel videos by class choice— <u>Concha la Perla</u> or <u>Centro de Crianza</u> — and introduce the unit summative, a project for Dragonfly Pond!	unit homepg summative pg
Lecture	A lecture-heavy period but with periodic practice. At the end, we will take a brief break before you investigate the summative on your own.	<u>lesson page</u>
Summative	Intro Step 1 (<i>topography</i>) of the summative, which is about the topography and soil types (habitat diversity). The final due date October 25 th summative page	

<u>Assessment</u> — Decide your site choice by next class at the latest. If you know, tell me. <u>Study Guide Packet Materials</u> — APDVs [2.1, 3.1], Textbook [p. 118-123], MCQ [1-6], Measure your impact [1-2]

25 September (day 4)— Class #14 ✓

<u>AP Lesson Content</u> — 3.2 K and r selection; 3.3 Survivorship curves; 3.4 Carrying capacity; 3.5 Population growth and resource availability

Today's Playlist— Bad Bunny

Activity (+ time)		Description	Material(s)
10 1	Do Now	Two questions about biodiversity, two about generalists and specialists. Four entries possible!	U2 MCQ menti.com
	Lecture	With some data analysis practices (<u>Survival Strategies Card Game</u>), we will cover FOUR APES lessons. Some of this information you will be applying in tasks 2 & 3	lesson page
	Summative	Intro task 2 (<i>plants/animals</i>)., Task 2 is due by the Oct 3rd. Preview task 3 to understand how tasks build upon each other Summative page	

<u>Study Guide Packet Materials</u> — APDVs [3.2, 3.3, 3.4, 3.5], Textbook [<u>p. 148–161</u>], MCQ [7–13], FRQ [1–2]

27 September (day 6)— <u>Class #</u>15, planned absence ✓

AP Lesson Content — 1.2 Terrestrial biomes



Activ	ity (+ time)	Description	Material(s)
	Concept Explanation	Watch three APDV that covers biomes and their threats ☐ Biome summary graph for notebooks	APDV1 APDV2 APDV3

Practice	Individually complete the climatograph worksheet in GClassroom [classwork]. You will be given a 20 minute time limit before transitioning into	Biome Cl lesson page
Summative	Use the remainder of the period to continue your species research	ch (step 2).

<u>Assessment</u>— Task 1 needs to be completed by the end of the period. You are responsible for saving your papers for this summative and maintaining them neatly.

Study Guide Packet Materials — APDVs [1.2], Textbook [p. 99-107], MCQ [14-18], FRQ [3]

1 October (day 8)— <u>Class #</u>16 ✓

<u>AP Lesson Content</u> — 1.9 Trophic levels; 1.10 The 10% rule; 1.11 Food chains and food webs Today's Playlist— Jungle

Activity (+ time)		Description	Material(s)
10 1	Do Now	The last class I was here, we covered four AP lessons. Three MCQs, one raffle entry per correct response (from 3.2/3.3/3.4/3.5). And "the survey"	U2 MC menti.com
	Concept Explanation	Quick lecture about trophic levels, food chains and food webs before group work with practice making a food web.	lesson Create one food web in your lab groups as practice
	Summative	Intro step 3 (interactions), keeping in mind you need to have completed your species research in step 2	Summative pg

<u>Assessment</u>—TASK 2 due October 26! Next class is a work period. Submit via GClassroom for feedback on improvements you will need for task 3 (*interactions*).

Study Guide Packet Materials — APDVs [1.9,1.10,1.11], Textbook [p. 60-65], MCQ [19]

3 October (day 2)— <u>Class #</u>17 🐓 ✓

Today's Playlist— Phoenix

Activi	ity (+ time)	Description	Material(s)
10 1	Do Now	One MCQ and three FRQs. One entry per correct response. We will do a drawing at the end of the period for THREE winners for our THIRD raffle	U2 MC menti.com
	Summative	Begin steps 2 and 3.	Summative pg
	Raffle Drawing!	To wrap up the final day before vacation, we will do our third raffle drawing for ducks! • Period2 Carlota, Emilio and Andra! • Period4 Nicolas, Mateo and Nat! • Period8 Sebastian, Emilio and Pablo!	U2 MC













<u>Assessment</u>—TASK 2 DUE! Submit via GClassroom for feedback on improvements you will need for task 3 (*interactions*).

<u>Study Guide Packet Materials</u> — APDVs [1.9, 1.10, 1.11], Textbook [<u>p. 60–65</u>], MCQ [19]

3-4 October— Rosh Hashanah

5-14 October — October Break

15 October (day 4)— <u>Class #</u>18 ✓

AP Lesson Content — 1.1 Introduction to ecosystems; 9.8 Invasive species

Today's Playlist— Electric Light Orchestra

Activi	ty (+ time)	Description	Material(s)
	Summative Review	We will only watch the first $4_{\rm m}15_{\rm s}$ of this story, but in order to frame your thinking about your project	▶ Repla
	Concept Explanation, Environmental Solutions	 <u>Predator-Prey</u> Watch TierZoo if you are interested in learning more Symbiotic (Mutualism, Commensalism, Parasitism) Competition (Exclusion, Partitioning) 	<u>Lesson pg</u>
	Summative	Use the remainder of time to work on steps 2 and 3. I will be "grading" step 2 tomorrow (Wednesday). If you currently have ZERO information, you are in danger.	Summative pg

<u>Assessment</u> — Submit what is completed for task 3 by the end of next period for feedback <u>Study Guide Packet Materials</u> — APDVs [1.1, 9.8], Textbook [p. 161-168], MCQ [20]

Activity packet— Classify this... Species Interactions

17 October (day 6)— <u>Class #</u>19 ✓

<u>AP Lesson Content</u> — 1.1 Introduction to ecosystems; 9.8 Invasive species

Today's Playlist— Romeo Santos

Activity (+ time)		Description	Material(s)
	Environmental Solutions	<u>Invasive species</u>	<u>Lesson pg</u>
	Summative	FINISH step 2 (all of it is due by tomorrow). Step 3, your food web, is due by next Tuesday. Introduce step 4 (<i>mitigating effects</i>) specific to your site, as it relates to today's material. Step 4 is due Friday, October 25 Obtain information about specific invasive species control (<i>island</i>) and urban wildlife (<i>C.C.</i>). Use clarifiers!	Summative pg U2 SG Materials

21 October (day 8)— <u>Class #</u>20 ✓

<u>AP Lesson Content</u>— 1.1 Introduction to ecosystems

Today's Playlist— Beyoncé

Activi	ty (+ time)	Description	Material(s)
	Squirreling Away	Lab involving students as species of squirrel competing over acorns from species of oak. How does the introduction of non-native species affect competition in a community? Foraging Sites Squirrelling Around Lab P8: Palma Coquito. P2: Flag Patio. P4: N building/portables.	Contract of the Contract of th
	Summative Step 3	Finish step 3 by Wednesday. On Wednesday, you will use the whole period to work on step 4 (mitigating effects). For Deer Island, this will involve invasive species control. For the C.C., it will involve reducing urban wildlife problems.	Summative page U2 SG Materials

Study Guide Packet Materials — APDVs [1.1, 9.8], Textbook [p. 161-168], MCQ [20]

23 October— PSAT for 10th/11th grade students

23 October (day 2) — <u>Class #</u>21 ✓

Today's Playlist— Classical Music

Activi	ty (+ time)	Description	Material(s)
	Silent Sustained Study Hall	I will introduce step 4 during the first 10 minutes of class and then the rest of class is for you to work on your summative project. If step 3 is not completed, you must finish today. Step 4 will be due by October 29.	

25 October (day 4)— <u>Class #</u>22 ✓

<u>AP Lesson Content</u>— 2.6 Adaptations, 9.9 Endangered Species

Activity (+ time)		Description	Material(s)
	bottleffeck	A lab about a mechanism for the loss of genetic diversity in a population. Your group scenario analysis is due by the end of	<u>Situations</u>
BOTTLENECK EVENT POPULATION	Genes!	the timer	<u>Scenario</u>



<u>Study Guide Packet Materials</u>— APDVs [2.6, 9.8], Textbook [<u>D. 124-134</u>, <u>P.494-513</u>], MCQ [21-27], FRQ [4-5]

29 October (day 6) — <u>Class #</u>23 ✓

AP Lesson Content — 2.6 Adaptations, 9.9 Endangered Species

Activity (+ time)		Description	Material(s)
	Summative	 Introduce step 5, Write a one to two page letter— Introduces the existing environment and the importance of its restoration to the LGC Explains excessive predation and competition will be mitigated in the ecological community Explains regulating services that will be improved as a result of your plan, of particular species Explains cultural services that will be improved as a result of your plan Summarizes with a compelling, persuasive statement about what you have learned through planning this restoration project 	Summative page U2 SG Materials

<u>Assessment</u>— Next class period (Class #24) is designated for polishing and submitting your summative. You will hand in

- > Your labeled map proposal
- > Completed charts of species research + food web
- > Completed chart of mitigating effects
- > Proposal letter

31 October (day 8)— <u>Class #</u>24 ✓

Activity (+ time)		Description	Material(s)
	Summative	The next time we have class is in one week. Whatever remains for your summative is homework. Unfortunately because of a holiday and conferences, I do not have opportunity time before the submission date. What you need completed are: > Your labeled map proposal > Completed charts of species research + food web model > Completed chart of mitigating effects > Proposal letter	Summative page U2 SG Materials

On the day when all steps are due, you will have a timed FRQ related to HIPPCO.	
Today I am going to meet with the people who I need to give feedback on steps 3 and 4, individually.	

1 November— Half-Day for Halloween 4 November— Todos los Santos (Festivo)6 November— Three-Way Conferences

7 November (day 2)— <u>Class #</u>25, Summative ✓

Activ	ity (+ time)	Description	Material(s)
	Summative	Timed FRQ (22 min, type II). Open AP Classroom to take it. • Where asked to give an example, BE SPECIFIC. For example, if you say "Pollution is harmful" what form is the pollution? How/what does the pollutant harm? Use the remaining time after the FRQ to polish your tasks before submitting them. Today starts the five day timer. If submitted after Monday November 12 = 0.	78 TB U2
	Do Now	End of the period and end of the unit! Two more duck winners. Each winner will choose another person from class to receive a duck, one who hasn't previously won • Period 2 Laura (+ Joaquin!) and Emilio (+ Emilia!) • Period 4 Juanse, Noah, Mate (+ Santi!) • Period 8 Sebastian (+ Giuli!) and Tristan (+ Santi!)	** U2 MC

Study Guide Packet Materials — APDVs, Textbook, FRQ, Measure your impact

11 November— Independencia de Cartagena (Festivo)

Unit 3— Energy Resources & Human Populations

12 November (day 4)— Class #26 ✓

<u>AP Lesson Content</u> — 6.5-6.12 (fossil fuels, nuclear power, biomass energy, solar energy, hydrogen fuel cell, wind energy)

Today's Playlist— Prince

Activity (+ time)		Description	Material(s)
	Intro U3	Energy Resources and Populations— What will we learn	unit homepage
	The Great Energy Debate	 Day 1: Steps 1 and 2 ■ Introduce summative protocol and grading ■ Evaluate statements as facts, adv., disadv. There is no resubmission opportunity for this summative. 	TGED Summative Materials

<u>Assessment</u>— make sure you have statements for ALL energy resources accurately classified as a fact, advantage or disadvantage. Prepare your strategy for the debate next class

➤ Study guide— APDVs [6.5-6.12], Textbook [p. 325-337, p. 350-371], MCQ [1-2], FRQ [1-2], Measure your impact [1]

14 November (day 6)— Class #27, Summative ✓

<u>AP Lesson Content</u> — 6.5-6.12 (fossil fuels, nuclear power, biomass energy, solar energy, hydrogen fuel cell, wind energy)

Activity (+ time)		Description	Material(s)
	The Great Energy Debate	 Day 2: Steps 3 and 4 ■ Begin and complete the debate ■ Complete two written reflection prompts. DUE NO LATER THAN TOMORROW There is no resubmission opportunity for this summative. 	TGED Summative Materials

<u>Assessment</u> — complete and submit your reflection as a private comment in GClassroom

➤ Study guide— APDVs [6.5-6.12], Textbook [p. 325-337, p. 350-371], MCQ [1-2], FRQ [1-2], Measure your impact [1]

18 November (day 8)— Class #28 ✓

<u>AP Lesson Content</u> — 6.2 Global energy consumption, 6.3 fuel types and uses, 6.13 energy conservation

Today's Playlist— Scissor Sisters

Activity (+ time)		Description	Material(s)
(O)	Do Now	Getting back into it with three MCQs. Today will be about fossil fuels only, next class about nuclear/biomass/solar, and Friday about hydro/geothermal/wind	U3 MCQ Do No menti.com
	Notes	First set of notes in a long time! But we will be doing some group work with it and then	lesson page
	Math	Introducing the math of APES (+-x÷, convert units)	3.1

Assessment—

➤ **Study guide**— APDVs [6.2, 6.3, 6.13], Textbook [p. 315-325, p. 342-350], MCQ [3-11], FRQ [/], Measure your impact [1]

20 November (day 2)— Class #29 ✓

<u>AP Lesson Content</u> — 6.2 Global energy consumption, 6.3 fuel types and uses, 6.13 energy conservation

Today's Playlist— Britney Spears

Activity (+ time)		Description	Material(s)
(O)	Do Now	Second day of review for energy resources, two about nuclear and one about biomass.	U3 MCQ Do No menti
	Math Practice	 Calculate approx. how much of your family's energy bill comes from your hot showers for a month. Calculate the monthly cost savings from changing to an energy conservative/efficient practice 	lesson page

<u>Assessment</u>— There's a 50% chance the Math FRQ in the APES exam will be based on energy resources. 50% chance it is from any other topic.

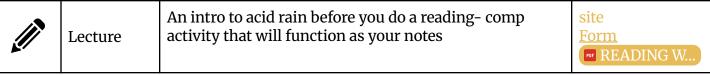
➤ Study guide— APDVs [6.2, 6.3, 6.13], Textbook [p. 315-325, p. 342-350], MCQ [3-11], FRQ [/], Measure your impact [2]

22 November (day 4)— Class #30 ✓

AP Lesson Content — 7.7 acid rain

Today's Playlist— Bomba Estereo

Activity (+ time)		Description	Material(s)
(C)	Do Now	Final energy review questions about geothermal, wind and energy efficiency.	U3 MCQ Do No menti



<u>Study Guide</u> — APDVs [7.1, 7.7, 8.1], Textbook [p. 382–383], MCQ [14–22], FRQ [/], Measure your impact [/]

26 November (day 6)— Class #31 ✓

<u>AP Lesson Content</u> — 7.1 introduction to air pollution, 7.2 photochemical smog, 7.3 thermal inversions, 8.1 sources of pollution

Today's Playlist— Saint Motel

Activity (+ time)		Description	Material(s)
	Do Now	Binationals people: we began with the menti quizzes for raffle e <u>first one will be next week</u> . Today, we begin with the new materia	
	Lecture	Our only class this week will be a little intense. We will begin with sources and types of air pollution (<i>classify</i>), and then a crash course on thermal inversions and photochemical smog. Your TI and PS worksheet is due next class on paper.	

<u>Assessment</u>— Energy math problems and Acid Rain Worksheet are due next week Tuesday. You must show your work and have the correct answer with units. If you do not understand how to do this math, then you must make arrangements to attend opportunity day during break today or Monday. I will have opportunity day on Monday morning Dec 2

➤ <u>Study guide</u>— APDVs [7.2, 7.3], Textbook [p. 409–419], MCQ [/], FRQ [/], Measure your impact [/]

27 November— Thanksgiving Assembly

28 November - 1 December— Thanksgiving Break (Festivo)

3 December (day 8)— Class #32 ✓

<u>AP Lesson Content</u> — 3.6 age structure, 3.7 total fertility rate, 3.8 human population dynamics Today's Playlist — Kid Cudi

Activity (+ time)		Description	Material(s)
10 1	Do Now	Five MCQs about smog (3) and inversions (2). Do not write on the paper given to you, but you will need to use it to help answer the MCQs!	U3 MCQ Do No Smog/Inversio menti
	Lecture, notes	 Turn in your smog/inversion worksheet (formative) Take out notebooks and calculators. Have your computers handy for an in-class formative. 	Site Age Str Wkst

Assessment—acid rain, smog/inversion worksheet, and math problems are due today.

➤ <u>Study guide</u>— APDVs [7.5, 7.8, 8.6], Textbook [p. 396-399, p. 427-431], MCQ [23-26], FRQ [3], Measure your impact [3]

5 December (day 2)— Class #33 ✓

<u>AP Lesson Content</u>— 3.9 demographic transition model, 8.15 pathogens and infectious disease Today's Playlist— MGMT

Activity (+ time)		Description	Material(s)
(O)	DO NOW		U3 MCQ Do No MENTI
ķ	Group work	Begin with introducing the lesson with the slides then group work. After the group work, summarize some important information, including prevalence of disease in developing/developed countries.	3.5 DemograDisease ChartDTM Song Larticle

Assessment—

➤ <u>Study guide</u> — APDVs [3.6, 3.7, 3.8], Textbook [p. 178-188], MCQ [27-30], FRQ [4-5], Measure your impact [3]

9 December (day 4)— Class #34, Review ✓

<u>AP Lesson Content</u> — 3.6 age structure, 3.7 total fertility rate, 3.8 human population dynamics, 3.9 demographic transition model Today's Playlist— Jarabe de Palo

Activity (+ time)		Description	Material(s)
D	o Now	We will do our drawing on Friday the 13 th	U3 MCQ Do No
E	Escape Room	Your APES class is on a field trip to a renowned ecological research center, tasked with studying human population dynamics and their effects on the environment. While touring a restricted area, an unexpected security lockdown traps you and your classmates in a high-tech lab. To escape, you must work together to solve a series of challenges based on what you've learned about human population growth, carrying capacity, demographic transitions, fertility rates (Lessons 3.6-3.9). Each correct answer reveals a code needed to unlock the lab doors. Time is running out, and unless you escape, you won't be able to report your critical findings about the future of population sustainability!	Human Pop
	Independent Study	Use the remaining time to prepare for your summative next class. Be able to classify countries into their proper stage of DTM and do calculations using population formulas and dimensional analysis. 1. Calculate "r" and "dt" for each of the four countries $r = \frac{CBR - CDR}{10} \qquad doubling time = \frac{70}{r}$ 2. Calculate the difference/increase in the total annual kWh consumption, for each country, from 2000 to 2023. Describe at least one reason for the change in energy consumption per capita and for the whole country from 2000 to 2023.	

3.	Calculate the percent change in the total number of people who own an automobile, for each country, from 2000 to 2023. Why is there a change in automobile ownership? $percent\ change\ =\ \left(\frac{new\ value\ -\ old\ value}{old\ value}\right)x\ 100\%$	
4.	Classify the four countries into their stage of DTM. There is exactly one country in each stage from 2-5. Use the data and country profiles to summarize two pieces of supporting evidence for putting them in their stage.	

11 December (day 6)— Class #35, Summative ✓

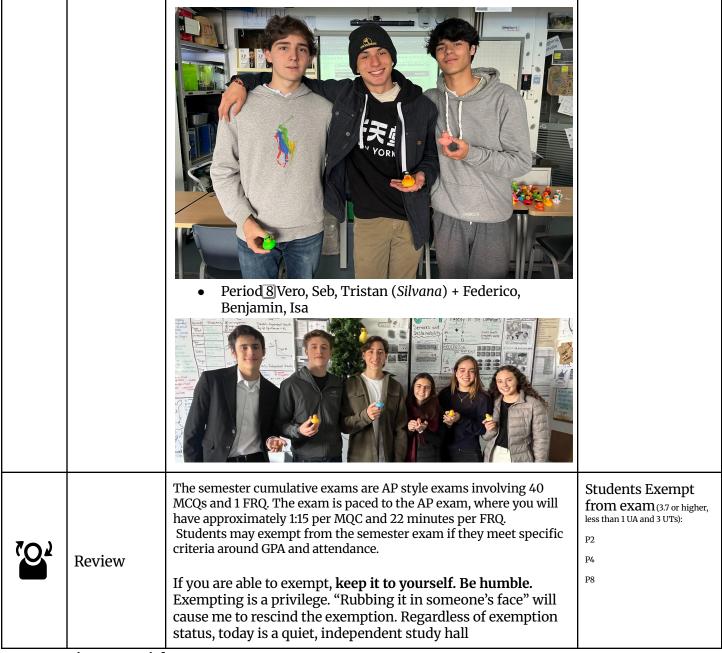
Activity (+ time)		Description	Material(s)
Summative		You will be provided profiles for four countries (age structure, CBR, CDR, social and economic conditions, environmental and health issues). Using this information, correctly classify the four countries in their DTM stage with reason. You will also calculate values related to resource consumption and CO2 production using per capita data. Partial credit is possible in the entire summative assessment.	Period 2 Period 4 Period 8
		After you finish, take out something quiet to work until the end of the period. I will have these summatives graded by next class. The resubmission will be a full retake of the section(s) you want to improve. This will happen the day we return from break	

Assessment-

> Study guide— APDVs [7.6, 8.15], Textbook [p. 421-424, p. 462-471], MCQ [27-30], FRQ [1], Measure your impact [2]

13 December (day 8)— Class #36, Semester Cumulative Exam Review Day ✓ Today's Playlist— Lenny Kravitz

Activity (+ time)		Description	Material(s)
	Raffle	Survey first (in GClassroom) and then the final raffle drawing of the semester! • Period 2 Andra, Simon V & Joaquin + Daniel, Vicente, Vivi, Miguel, Simonson • Period 4 Santi, Nico, Jose	Yet to win: Migue, Simonsin, Vivi, Daniel, Vicente Isa, Benjamin, Beatriz, Federico



Review Materials—

- ➤ <u>Unit 1 Materials</u> (GClassroom)
- ➤ <u>Unit 2 Materials</u> (GClassroom)
- ➤ <u>Unit 3 Materials</u> (GClassroom)

Cumulative Semester Exams ✓

	Tuesday Dec. 17	Wednesday Dec. 18	Thursday Dec. 19	Friday Dec. 20	
11:50 AM		Arrive to	campus		
12:10-1:30 PM	Period 6	Period 7	Period 4	Period 5	
1:35-2:05 PM	Break				
2:10-3:30 PM	Period 8	Period 1	Period 2	Period 3	
3:30 PM	Dismissal				

LunchSopa d caraotas/tocineta Macaronni con carneConsomé madrileño Estofado de polloSopa de masita Saltado de lomoCrema p Suprema

21 December - 13 January— December Break

14 January (day 6)— Class #37, Population Summative Retakes

Activity		Description		4	8
	Retake	Same format and instructions as the first time. Only thing that is different is you are presented with a new set of four countries. If you are not retaking the summative, this is a sustained and silent study hall period. Why can those people retake →? They completed all the formatives.	Daniel Emilia Laura	Abby Jose Juandi Juanse Santi Noah	Federico Giuli Isa Martina Santi Seb
INCOME TO SERVICE OF THE PROPERTY OF THE PROPE	Begin doc	Moore, M. (2020, April 21). Michael Moore presents: Plane [Documentary]. YouTube. https://www.youtube.com/watc			

16 January (day 8)— Class #38, Movie Day (CWW planning 10th-11th)

Activity (+ time) Description Material(s) 12th grade students finish documentary— Moore, M. (2020, April 21). Michael Moore presents: Planet of the humans [Documentary]. YouTube. https://www.youtube.com/watch?v=Zk11vI-7czE

20-24 January— CWW 27 January— Second Semester Begins

Past announcements

- ❖ Week of August 12
 - Complete the course change form this week. There is an additional form if you want a particular EXPLORE offered this semester/year
 - > You will attend advisory every day this week
 - > Seniors— if you know a K4 student you would like to walk will, fill out another form 😅
 - > Cell-phones are to be deposited in a basket each class... why? Growing number of schools across U.S. require students to lock away ...

★ Cell phone policy discussion...

Monday	Tuesday	Wednesday	Thursday	Friday
Final day of vacation!!!	Last first day! <u>Modified schedule</u>		10th grade assembly	All school assembly Modified schedule
vacation	Sopa de garbanzos Pasta	Ajiaco + copelia	Sopa minestrone Arroz con camarones	Consomé Papa pollo + donuts

❖ Week of August 19

- ➤ Ambassador applications are open! Returning Ambassadors must complete a quick form of recommitment. New applications are due by August 30th.
- \rightarrow MS/HS musical auditions are from August 26th-30th! Review the news for the specific times
- > TEDx is coming to CNG! You can apply to be a speaker (due by Sept 13th) and/or committee member (due by Sept 2nd)
- > Complete your summer vacation service hour validation by October 4th. Check out available opportunities in the news

Monday	Tuesday	Wednesday	Thursday	Friday
Puente	Day 5	11th grade assembly	12th grade assembly	Senior bkfst @ 8:15a
	Crema de ahuyama BBQ alitas	Sopa de cuchuco de maíz "Bandeja paisa" + bocadillo	Consomé Spaghetti	Sopa mexicana Pulled chicken + merengues

❖ Week of August 26

- ➤ Ambassador apps are due by August 30th. **TEDx** speaker (due by Sept 13th) and/or committee (due by Sept 2nd) applications! MS/HS musical auditions are this week! Complete your summer vacation service hour validation by October 4th. StuCo apps are due by August 28th. MUN is accepting new applicants, too!
- > To participate in the OODC program it is a one-time annual contribution of \$85,000 COP per child by Wednesday, August 28. <u>Click here</u>, cash will not be accepted on Fridays. Please contact <u>marcela.chiaradia@cng.edu</u> with any online payment issues.
- ➤ High school students are invited to be a part of the CNG Community Choir

Monday	Tuesday	Wednesday	Thursday	Friday, OODC
Day 1	Explore Signup	11th CWW (theater)	No Classes	University Fair Visit 2:30-3:00- Science, Tech, Social Studies, PE, Spanish 3:00-3:30- Math, Arts, World Language, Cultural Studies
Crema de verduras Colombianos de pollo + galleta	Sopa de masitas Julianas de cerdo	Crema de coliflor Crêpes + mousse de mora	Open House	Sopa de quinoa Pollo crispi + danesas

Week of September 2

- > This week we will have visitors on campus from Pathways For Prevention, to provide support in the prevention of drug and alcohol abuse.
- > You are invited to join the HS Newspaper Team! Apply to be part of the CNG Environmental Committee (*one needed per grade level*). Join **TEDx** as a speaker or committee member!

Monday	Tuesday	Wednesday	Thursday	Friday
Day 5 11th (counselor visits) 12 th (MPR) Condor activities begin	11th (counselor visits) 12 th (Theater, Santiago Cala, Alfred app co-creator)	12 th (Theater, Felipe Marin, Rappi co-founder))		



- Week of September 9
 - Explore will begin next week!
 - > You are invited to join the HS Newspaper Team!

Monday	Tuesday	Wednesday	Thursday	Friday
Day 2	No Classes 9/10 th : Lectura Critica 11/12 th : Mock Saber	Senior OODC (comfy)		No School PD Day
Ajiaco cubano Carne/Pollo desmechada	Consome Teppanyaki con camarones	Crema de frijoles Raviolis + pasaboca	Sopa de mute Arroz arriero	Sopa de arroz Chile con carne + helado

- ❖ Week of September 16
 - > Join EAGLE (tutor/mentorship program) or the school's Poetry Team!

Upcoming Condor Home Games and Competitions

Monday: Soccer B Boys vs. Frances - 4:15

Basketball A Girls vs. Vermont - 4:15

Basketball A Boys vs. English - 5:30

- > UNCOLI matches are this week! Boys/Girls Basketball and Girls Volleyball Wednesday: Soccer B Boys vs. Italiano 4:15
- > Congrats Martina Wancier on being elected as a StuCo representative!

Monday	Tuesday	Wednesday	Thursday	Friday, OODC
Day 5	EXPLORE begins Personero campaign (flag patio)	Personero voting	Second EXPLORE begins	
Sopa de centavitos Pollo napolitana + panaderos	Sopa de pescado Mac & cheese	Sopa de 7 granos Burritos + gelatina	Consomé Panecook	Sopa de avena Pollo broaster

- Week of September 23
 - ➤ MAP testing is this week, with a modified schedule (*no EXPLORE nor advisory*). I will be offering APES sessions on Mon-Wed related to FRQs
 - > I have a planned absence this Thursday & Friday, to go to Toronto
 - > Join the Zerowaste Initiative! Watch this video to see how you can get involved.

Monday Tuesday Wednesday Thursday Friday

Day 2			New Student Pizza Lunch	Lunch-a-Month
Crema de atun Meatballs + carrot cake	Sopa d cuchuco d cebada Costillas	Sopa de caraotas Saltado peruano + churros	French Onion Soup Pasta	Crema de espinacas Perro caliente + helado

❖ Week of September 30

- > Complete "the survey" for me, please! Find the link in the Stream on GClassroom [5 min]
- > Trained dancers needed for the HS musical! Please attend an interest meeting from 1:45–2:05 on Wednesday, October 2nd, in H102
- > Yearbook photos are this week!
 - ★ Monday Rooney/Qualls (7), Cajina/Rooney (1), Cajina/Boll (3)
 - ★ Tuesday Laplante/Qualls (8), Laplante/Cajina (2), Pascale/Qualls/Rooney (4)
 - ★ Wednesday Pascale/Patrick (1), Laplante/Pascale (3)
 - ★ Thursday Pascale (2), Cajina/Boll (4), Qualls/Patrick (6)
 - ★ Friday Rooney/Patrick (3), Cajina/Boll (7)

Monday	Tuesday	Wednesday	Thursday	Friday
Day 7 Lawyer talk (12 th , theater)			New Student Lunch, during Explore	
Sopa de soya Pernil de pollo + torta	Consomé Teppanyaki	Sopa de verduras Salmon al ajillo + chocolate strawberries	Sopa de couscous Pollo al curry + quibbes	Crema de tomate Hamburguesa + paleta









Week of October 14

Monday	Tuesday	Wednesday	Thursday	Friday
Final day of vacation!!!	Day 4 Explore	Evacuation & Lockdown Drill @9:30		Early Release (lunch @1, dismissal @1:30)
Día de la Raza	Crema de jojoto Alitas de pollo	Sopa de pintado Arroz c/ pollo + choc stw	Sopa payanesa Tortellini	Sopa siciliana Wraps de pollo

Week of October 21

- > Halloween will be celebrated Friday, November 1
- > For PSAT, bring the following: Two #2 pencils, your computer with BlueBook already installed*, a calculator, and water bottle/small snack for breaks

Monday	Tuesday	Wednesday	Thursday	Friday, OODC
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Day 8 CWW (12 th , theater) Start of the Biodiversity Convention in Cali	Math Olympics, round 2	PSAT 8:15-11 AM (10th/11th grades)		Senior Lunch
Crema de zanahoria Estofado de pollo + choc chip cookie	Sopa de los 7 mares Lasagna	Consome madrileño Chop suey de pollo + mousse de mora	Sopa de cebada perlada Roast beef sandwich	Crema de brocoli Salchipapas +cupcake

❖ Week of October 28

- > Visit our tables for Breast Cancer Awareness Month all week, during break. Pick up a ribbon, write a message in support and solidarity, and receive a pink ribbon for your uniform/backpack
- > Are you interested in joining a Grappling team/class (*wrestling and Brazilian jiu jitsu*)? See Mr Graziano, Santiago Roca, Alejandro Roca, Juanse Jimeno for more information

Monday	Tuesday	Wednesday	Thursday	Friday Halloween
Day 5 <u>Two Surveys</u> 1. Climate Survey 2. AP Survey		ON WEDNESDAY , WE WEAR PINK	StuCo Surprise Treat, final 10 min of Explore	8:15-9:05: Advisory 9:10-9:35: 9-11 Concert 12- Parade 9:40-10:10: Parade 10:15-10:45: Break 11:00-12:00: Interroscas Final 12:00: Dismissal
Sopa de conchitas Escalopines + choc mousse	Sopa de pollo Pan arabe	Ajiaco Bocadillo con queso	Sopa de risoni Pizza	Enjoy the long weekend! See you Tuesday

Week of November 4

>

Monday	Tuesday	Wednesday	Thursday	Friday
No School—	Day 1	No School—	Day 2	
Holiday	Crema forestier Pollo suprema	Conferences	Consomé pequeña marmita Spaghetti	Sopa de arracacha Patacon + merengue

❖ Week of November 11

➣

Monday	Tuesday	Wednesday	Thursday	Friday
No School— Holiday	Day 4			Early Release Day
	Crema de tomate Pollo crispi	Sopa de cuchuco de trigo Escalopines de res	Consome Paella	Sopa de blanquillo Raviolis

❖ Week of November 18

>

Monday	Tuesday	Wednesday	Thursday	Friday, OODC
		Binationals		
Day 8				
Crema de brocoli Julianas de res	Sopa chehi Pollo napolitano	Consome Penne + albondigas	Sopa de colicero Papa pollo	Sopa minestrone Hamburger

❖ Week of November 25

 \triangleright

Monday	Tuesday	Wednesday	Thursday	Friday
Day 5 Theater (12th)		8:15-9:15 Advisory 9:15-9:30 Servicios Generales 9:30-9:45 go to assembly 9:45-10:30 Assembly 10:30-11:00 Break 11:00-12:00 Soccer Game	No School— Thanksgiving Break	
Sopa de centavitos Chile con carne	Crema de ahuyama Suprema de pavo	Half-day		

❖ Week of December 2

- > Human Population Summative on December 11. Review materials and Summative information
- > StuCo Field Day is coming soon! Fill out this form to be on a team with at least one friend!
- > There are several survey opportunities, including: about an article for the Newspaper about the Ukraine War, how to improve the Snack Shack, and Sleep Studies

Monday	Tuesday	Wednesday	Thursday	Friday
Day 7 Bus photo (12th)			Queers & Allies Bake Sale	Lunch-a-Month
Sopa de pasta Escalopines de res	Crema del huerto Spaghetti	Sopa de cuchuco Patacón	Consome con gyozas Thai style rice	Sopa de avena Panecook

❖ Week of December 9

 \triangleright

Monday	Tuesday	Wednesday	Thursday	Friday
Day 4 Onigiri Sale	Bake sale (break)	APES Summative		Review Day #1 Entrepreneurship Fair
Candy Cane Day	Holiday Headgear	Truin Day	DI Dave	O D
Carray Carre Day	Hollday Headgeal	Twin Day	PJ Day	Snow Day

❖ Week of December 16

 \triangleright

Monday	Tuesday	Wednesday	Thursday	Friday
Day 1	Periods 6 & 8	Periods 7 & 1	Periods 2 & 4	Periods 5 & 3

	caraotas/tocineta Consomé madrileño conni con carne Estofado de pollo		
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❖ Week of January 13

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Monday	Tuesday	Wednesday	Thursday	Friday
No School– Final day of	Day 6 Heroes (MPR) 11th grade (Theater)	Captains meeting (advisory)	Day 6 CWW Planning Day 12th has normal class	See you next semester, maybe in a different period!
vacation	Crema de zanahoria Pasta and meatballs	Sopa de centavitos Bandeja tipica	Minestrone Pollo napolitana	Consome celestino Arroz con camarones

There are two lessons of topic 2 that we have not covered (nor won't until second semester). Regardless, the Topic 2 MCQ and FRQ progress checks are open to complete. And you have enough background knowledge to make informed guesses on the questions that relate to those two lessons.





Lecture

7.5 indoor air pollutants, 7.8 noise pollution, 8.6 thermal pollution, 7.6 reduction of air pollutants

Paste handout of <u>indoor air pollution</u> + activity in notebooks (add info as needed) Then, light and thermal pollution.

☐ 3.3 other air ...

Identifying sources of indoor air pollution
☐ pollution red...