FRIDAY, MAY 3rd

DO NOW

There are just over 3 miles in 5 kilometers and Speed equals Distance divided by Time. These are equations of Motion!

Know: 3mi = 5km $Speed = \frac{dist}{time}$ Asked: What Speed (in mph) would a turtle have if it goes a distance of 6 miles in a time of 10 hours?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!

Today's QP = DRAW what you think a TIME MACHINE would look like and then DESCRIBE 2 things you'd use it for (one must relate to something in ECOLOGY!)!

2. Open books, WORK on today's AO! 3. *HW = Read & Do Pg. 18-19 + CHECK your Grades on the Portal!

TODAY'S ACADEMIC OBJECTIVE

Today you will FINALIZE your Environmental Trackers in order to STUDY Ecology in action within our WORLD!

MONDAY, MAY 6th

DO NOW

There are about 1000 Watts per centimeter squared in 1 Watt per meter squared and 1,000,000 Watts per meter squared in 1 Megawatt per meter squared. These are units of Intenisty!

Know: $1000 \frac{W}{cm^2} = 1 \frac{W}{m^2}$ $1,000,000 \frac{W}{m^2} = 1 \frac{MW}{m^2}$ Asked: How many $\frac{W}{m^2}$ are in 54 $\frac{MW}{m^2}$?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!

- Today's QP = <u>SKETCH your "Spirit</u> <u>Beast" and write what you think its</u> <u>ROLE is in nature and then DRAW</u> <u>the "Food Chain" on Pg. 22-23 &</u> <u>"Food Web" on Pg. 25 ofyour books!</u>
- 2. Open books, WORK on today's AO!
- 3. * $\mathbf{HW} = \underline{\text{Read & Complete Pg. 18-}}$

TODAY'S ACADEMIC OBJECTIVE

Today you will FINALIZE your Environmental Trackers in order to STUDY Ecology in action within our WORLD!

TUESDAY, MAY 7th

DO NOW

There are just over 3 miles in 5 kilometers and Speed equals Distance divided by Time. These are equations of Motion!

Know: 3mi = 5km

$$Speed = \frac{alst}{time}$$

Asked: What Distance in miles will a person run with a Speed of 9*km/hr* after a time of 5 hours?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!

- Today's QP = <u>QP BOOK REVIEW</u> = <u>REDEFINE the terms "Producer"</u>, "<u>Decomposer</u>", "Consumer", "<u>Herbivore</u>", "Carnivore", and "<u>Omnivore</u>" and then give an <u>EXAMPLE of each!
 </u>
- Open books, WORK on today's AO!
 *HW = <u>Read & Do Pg. 24-29!</u>

TODAY'S ACADEMIC OBJECTIVE

Today you will REVIEW and REINFORCE your Scientific Math skills in order to PREPARE for our future QUIZ!

WEDNESDAY, MAY 8th

DO NOW

There are just over 4 Joules in 1 calorie, around 250 calories in 1 BTU, and about 4 BTU in 1 kilocalorie. These are units of Energy!

Know: $4J \approx 1cal$ $250cal \approx 1BTU$ $4BTU \approx 1kcal$

Asked: How many Joules are in 4kcal?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!

 Today's QP = <u>QP QUIZ PREP</u> = <u>REDEFINE the term "Population"</u> and then LIST 4 Pop. INCREASING and 3 Pop. DECREASING events that could happen to a population of <u>TURTLES!</u>

2. Open books, WORK on today's AO!
3. *HW = <u>STUDY FOR VOCAL QUIZ!</u>

TODAY'S ACADEMIC OBJECTIVE

Today you will REVIEW and REINFORCE your Scientific Math skills in order to PREPARE for our future QUIZ!

THURSDAY, MAY 9th

DO NOW

- **Know:** Both "Food Chains" and "Food Webs" represent the flow of energy in an ecosystem.
- **Asked:** Which statement **best** explains how a "Food Web" more completely represents the flow of energy in an ecosystem than a "Food Chain"?
- A: Food Chains include more energy
- **B:** Food Webs show more relationships
- C: Food Chains can change quickly

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!

Today's QP = <u>QP VOCAL PREP</u> = <u>WRITE each of the 18 TERMS on</u> <u>Pg. 5 & 19 for today's Vocal Quiz and</u> <u>then SKETCH a picture for each that</u> <u>conveys its MEANING!</u>

2. Open books, WORK on today's AO!
3. *HW = <u>Read & Complete Pg. 30-</u>
35!

TODAY'S ACADEMIC OBJECTIVE

Today you will JUSTIFY your knowledge of Ecological VOCAB in order to TOPPLE today's Vocal Quiz!



TODAY'S ACADEMIC OBJECTIVE

Today you will OBSERVE and IDENTIFY factors that determine a Population's SIZE!

SCIENCE QUIZ ALERT

- Students, listen UP!!!
 - We will be having a **porto** Quiz soon to assess our SCIENTIFIC MATH skills!
 - This quiz will require you to LET THE UNITS GUIDE YOU by solving various SCIENTIFIC MATH problems!
 - You are responsible for NOT ONLY finding the answer but ALSO using KA² format as well!









ust multiply by the fraction hat has the units you WANT is ten, in the numerator?

Tech Chex Steps – Citizen Science

- 1. FIRST, take out your DEVICE, and head on over to the following website!
 - <u>https://www.zooniverse.org/projects</u>
- If you do not have a DEVICE, don't worry! You can borrow one of these LAPTOPS!
- 2. Next, L00K UP to learn just what "Citizen Science" is and how we'll be using it to learn about POPULATION DYNAMICS!
- Your job is to CONTRIBUTE to a scientific study related to **POPULATION DYNAMICS**, so **choose wisely** from the available projects!
- 4. Finally, use your Citizen Science Adventure to ANSWER the HW Problems and Questions!



Tech Chex –HW Problems and Questions1.What Citizen Science Project did you choose?
What organism did it involve, and what task did it
require you to do? Why did you pick this one?

- 2. How does your selected Citizen Science Project relate to what we've been learning about Population Dynamics (aka Carrying Capacity, Limiting Factors, Competition, and Cooperation)!
- 3. Create an illustrative diagram detailing what your Citizen Science Project was about and asked you to do!

Tech Chex – HW Problems and Questions

4. Tiger Sharks live near Sea Turtles. Make a GRAPH to show the relationship between the populations of each species! (**Put the TIME on the x-axis and make TWO y-axes, one for the # of Sea Turtles and one for the # of Tiger Sharks!*)

Year	# of Sea Turtles	# of Tiger Sharks
1950	400	25
1960	500	23
1970	1200	20
1980	1000	40
1990	1300	15
2000	700	25
2010	500	30
2020 (projected)	900	25

Tech Chex – HW Problems and Questions

5. Write an EXPLANATION as to why Sea Turtle and Tiger Shark populations tends to increase and decrease the way it does, and then GRAPH the following data regarding the population of a NEW Species of SEA TURTLE recently introduced to the area!

Year	# of New Species Sea Turtles
2006	0
2008	4
2010	16
2012	256
2014	536
2016	214
2018	278
2020 (projected)	256

Bell 2 Bell

- We work what in this class?!?!?!
 - BELL 2 BELL
- Every single precious SECOND of academic instructional time is thus utilized in this classroom!
- You students will thus be vocally quizzed EVERY DAY until I DISMISS you at the end of class (with a positive greeting and a thank-you of course!).



Bell 2 Bell

- We work **BELL 2 BELL** in Mr. Floyd's class!
- I will thus quiz you about the science we learned today until the very end!
- Let us begin!



a little bit of **SCIENCE** SCIENCE Q