LPJ 8th Grade Science Outreach Learning March 25 - 27, 2020

8 th Grade Science Week of March 25, 2020						
Teacher/Team:	Shawn Oliphint / 8 th Grade Science	Connect with me on				
If there are any questions, please feel free to email me/us at: Link to TEAMS Folder	Email: oliphints@lpisd.orgRemindVoicemail/texting: (281) 402-9291Send a text to 81010Phone availability: T-F 8am – 3 pmText this message					
Previous Lessons: Chemistry = Chemical Reactions & Formulas, Counting Atoms	<u>1st Period TEAMS</u> <u>2nd Period TEAMS</u> <u>3rd Period TEAMS</u> <u>5th Period TEAMS</u> <u>6th Period TEAMS</u>	@oliphints				
	Before Spring Break, we learned about Cher Formulas!	nical Reactions and Chemical				
Objectives						
 Objective / I Can: I can tell the difference between elements and compounds. I can spot a chemical reaction based on the 5 evidences. I can count atoms in a chemical formula. 						
Activities						
	this lesson in resources on your TEAMS e let me know if you have questions.	Files, Class Materials Folder.				
I will also be sending messages in FLIPGRID that you can respond to – this is a start ③ Click Here for Flipgrid						
Student Activities:						
1. Mrs. O is here. Pleas	<u>e watch</u> (1 min)					
2. <u>Chemical Changes V</u>	<u>ideo_</u> (4 min)					
3. Scavenger Hunt (20 questions = 40 minutes)						

CHEMISTRY SCAVENGER HUNT!

<u>Directions</u>: Look around your house to answer the questions below.

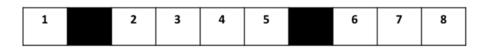
1.	Find an element
2.	Find a compound
3.	Find an organic compound
4.	Find a mixture
5.	Find a metal
6.	Find a non-metal
7.	Find a gas
8.	Find a malleable substance
9.	Find a good conductor
10	Find a poor conductor
11	Find a physical change
12	Find a chemical change
13	Find an edible example of a physical change.
14	Find an edible example of a chemical change.
15	Find a substance with a density of less than 1 g/ml
	(HINT: water has a density of 1 g/ml. So if it is less, it floats!)
16	Find a substance with a density of more than 1 g/ml
17.	Find an acid
	Find evidence of a chemical reaction
19	Find a chemical reaction that occurs inside your house
20	Find a chemical reaction that occurs outside your house
	NUS : Describe the physical and chemical changes that occur nen you eat your lunch.
input you	u have completed the scavenger hunt, click on your class period link below to ir answers onto your class form. (Remember: you WILL have to log into your mail the first time you access Microsoft Forms.) <u>1st Period</u> <u>2nd Period</u> <u>3rd Period</u> <u>5th Period</u> <u>6th Period</u>

4. Quick Counting Atoms Practice (8 questions = 10 min) (If you forgot how to count atoms, watch this video <u>here</u>.)

WHAT IS AN ALIEN'S FAVORITE CANDY?

<u>Directions</u>: Count the atoms in each chemical formula. Find the answer below. Write the letter next to the answer in the correct box below. Answers will only be used once.

1. How many total atoms in K_2CO_3 ?			2. How many Oxygen (O) atoms in 2ZnSO ₄ ?			
3. How many Phosphorus (P) atoms in $Ba_3(PO_4)_2$?			4. How many total atoms in Na ₂ CrO ₄ ?			
5. How many total atoms in 3CaCl ₂ ?			6. How many total atoms in $C_4H_8FCOOH?$			
7. How many Iron (Fe) atoms in $4Fe_2O_3$?			8. How many total atoms in 3NaHCO3?			
Answers: 16 (R)	2 (0)	7	(R)	6 (A)	8 (M)	
6 (A)	17 (B)	5	(I)	18 (R)	6 (A)	
4 (C)	9 (S)	2 (A)	5 (K)	8 (A)	



When you have completed the problems, click on your class period link below to input your answers onto your class form.

1st Period2nd Period3rd Period5th Period6th Period

Additional help: I really think you will like this: Chemical Reactions Quizizz CODE: 424815 (12 min.)					
 Additional Resources if you need help: Mrs. Oliphint's Office Hours will be Wednesdays and Fridays (9-11) Help via email, Remind, or video call or chat on Microsoft TEAMS, Google voice phone number for texting or voicemail. Extra Videos Chemical & Physical Changes Bill Nye Chemical Reactions Extra Practice Chemical Reactions & Formulas Quizlet Chemical & Physical Changes Review Game Zone Counting Atoms Review Game Zone 					
Academic/Instructional Support					
Schedule:	Thursday – work on science work				
Office Hours:	Friday 9:00 – 11:00 am – Tomorrow log into TEAMS and I will invite you in your class to join a meeting.				
	If you need help or do not understand the lesson/activity, email me or send a message in TEAMS. I will be turning on the chat option.				
	We will also be meeting during my office hours in TEAMS to answer questions.				
	I am setting up a Remind Link for you to join.				
	I also WANT to hear from you! I am also sending messages in FLIPGRID that you can respond to – this is a start ⁽²⁾ Click Here for Flipgrid if you missed it up top!				
To Be Graded					

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Make sure you submit the following from this week's lesson <u>through Microsoft Forms links above</u>: Quick Counting Atoms Practice

**DUE by 8:00am on Monday 3/30