EARTH SCIENCE Calendar: - CP (2018-2019) - Unit 1

August 2018

Monday	Tuesday	Wednesday	Thursday	Friday
20 Staff development day	Teacher Prep day	1st Day of Classes CPT Intro 1. Seating Chart	1. Sign up for Schoolology (need access code)	1. Finish Analysis of activity from yesterday Math
		2. Welcome to TOHS & *Intro about teacher 3. Clip: Introduction to Earth Science (Vimeo) from Frank Gregorio *4:45 https://vimeo.com/31583801 4. H: Syllabus - H: Bathroom Passes	HS-ETS1-2 2. Engineering Activity: Water Bottle Tower (See PPT) make the tallest tower that can hold the water bottle for a certain amount of time HW: Schoolology Online Discussion – Q's	Math 1. WU#1: Which is bigger? 2. Engage – Andromeda Galaxy intro 3. Notes: Scientific Notation PPT - (w/practice) 4. WS: Sci. Notation Practice Q's HW: Finish CW Activity: Websurf online – due Tuesday

Monday	Tuesday	Wednesday	Thursday	Friday
1. WU#2: Metric System List everything you know about the metric system. Describe everything that confuses you about the metric system. Why do you think most countries use the metric system? Why do you think America doesn't use the metric system? List everything that confuses you about the metric system. Why do you think most countries use the metric System? Lip: Why Don't American Use The Metric System? Lip: Why Don't Americans Use The Metric System?	Tuesday 28 1. WU#3: Read — Science World — Why did FL go metric? - do 2 Q's 2. Clip: Science of the Summer Olympics: Measuring a Champion (5:34) https://discord.com/contents/flatorings	Sign up for REMIND APP (need class code)	Thursday 30 1. Computers: Gizmo – Dimensional Analysis (start) HW: At least finish through end of part B	Friday 31 1. Computers: Gizmo – Dimensional Analysis (Finish) **Turn in 3. WS: Reading Instruments w/ Sig Figs HW: Finish WS

Objective: Students will be able to:

- 1) identify discrete steps that will lead to a solution to the Marshmallow Challenge;
- 2) effectively collaborate with each other to develop a prototype solution to the Marshmallow Challenge;
- 3) persevere in developing a solution to the Marshmallow Challenge even though there is no single correct solution;
- 4) discuss each others' ideas about the habits of engineering design collaboration using evidence from the Marshmallow Challenge.

5. WS: Multiplying and Dividing World Problems Using Scientific notation

Lab: Metric Olympics

September 2018

Monday	Tuesday	Wednesday	Thursday	Friday
3	4	5	6	7
NO	Leadership Mtg	1. WU#6: WS: Intro to graphs		1. Go over HW
3	Graphing 1. WU#5: From memory, draw & label the stair step AND write the 5 rules of Scientific Notation 2. Notes: Graphing (copy & go over) "What are some key characteristics of a great graph?" 3. Clip: NASA BEST: Graphing (2:59) https://youtu.be/ssXPrG0PGDY 4. Clip: How to spot a misleading graph - Lea Gaslowitz - TedEd (4:09) https://youtu.be/E91bGT9BjYk 5. Just Mention intro for: Graphing - Part 1 (Excel Graph) *skip this graph	·	•	•
	*skip this graph 6. Activity: Graphing – Part 2 (Graph by hand) **need graph paper, rulers, colored pencils Note: In order to move on to the questions, graphs need to be checked by teacher! 4. Activity: Graphing – Part 2 Q's			

	HW: Finish CW			
NO School	Dept. Mtg 1. Computers: (Big Data) Emerging or Developed? (FINISH) Scale 1. WU#7: You have Smin to measure your row of desks with your lab partner. Once complete, write down how you measured and why you did what you did. 2. Intro: Have you ever heard of a unit of measure called a smoot? 3. Audio NPR Interview: Smoot, Namesake of a Unit of Length, Retires *4:06 4. Activity: Types of Scale (green cards) *Computers 5. Activity: What is Scale – Fact of Fiction: HW: Finish CW	BTSN 1.WU#8: Article: Size & Scale w/ Q's 2.Clip: Scale of the Universe 2 (interactive) http://htwins.net/scale2/ 3. Activity: Sort it Out (class set – pairs - cards) *purple & pink HW: Finish CW	1. WU#9: Write down what you think the definitions are for "Direct & Indirect" Measurements 2. Review HW 3. Activity: Indirect Measurement *penny, ruler, calculator 4. WS: Review Guide 5. H: Packet Slip HW: Study for test	1. Test Graphing, Math, Metrics, Size & Scale 2. Turn in Packets

Clip: Tutorial - Excel 2013 Charts - How to (9:15) https://youtu.be/2St4a_zpaNY

- Using Excel graph from yesterday...
 a. What do you notice about your data?
- b. What were some of the challenges you encountered as you created your graph on the computer? (share w/ groups & out)