



8th Grade Science– Week (8-29-16)

TEACHER: JULIE M.
MUELLER

GRADE: 8

| | Monday | Tuesday | Wednesday | Thursday | Friday |
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| OBJECTIVE(S) (WHAT DO I WANT STUDENTS TO KNOW/) | Safety Quiz Bell Ringer Describe the basic structure and composition of the sun. Explain how the sun generates energy. Describe the surface activity of the sun, and identify how this activity affects the Earth. | Announce Safety Retakes if any To understand Boyle's Law – how does an increase or decrease in pressure work | Collect lab data and graphs. Describe the formation of the solid Earth. Describe the structure of the Earth. Explain the development of Earth's atmosphere and the influence of early life on the atmosphere. Describe how the Earth's oceans and continents formed. | To understand Boyle's Law | Collect lab write ups. Explain the difference between rotation and revolution. Describe three laws of planetary motion. Describe how distance and mass affect gravitational attraction. |
| INSTRUCTIONAL METHODS (HOW AM I GOING TO INSTRUCT/) | Correct DR 20.1 Do Directed Reading 20.2, pages 618-623. Vocab 20.2 (optional) | Hands on lab – Boyle's Law Lab (Dependent on finding Hoffman clamps) | Correct DR 20.2 Do Directed Reading 20.3, pages 624-629. Do Vocab 20.3 (optional) | Hands on lab "Marshmallows Making Funny Faces" | Correct DR 20.3 Do Directed Reading 20.4, pages 630-633. Vocab 20.4 (optional) |

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| ASSESSMENT HOW WILL I ASSESS LEARNING | We will discuss DR 20.2 on Wednesday. Quiz 20.2 will be Thursday. | Students will hand in collected data and graphs generated | Quiz 20.1 | Students will do a write up to explain how the lab was conducted. They will include a description of what happened and all groups should demonstrate at least once to the instructor. | Quiz 20.2 We will discuss DR 20.4 on Tuesday. |
| CLOSURE | Quiz 20.1 on Wednesday Watch video "Boyle's Law Lab" – will do hands on lab tomorrow. | Clean up Reminder that 20.1 quiz is Wednesday. Reminder that 20.2 worksheet is due Wednesday. | Quiz 20.2 on Friday. We will discuss DR 20.3 on Friday. | Clean up. Reminder that the 20.2 quiz is Friday. Reminder that the 20.3 worksheet is due Friday. | Quick Lab, page 632. "Staying in Focus". Clean up. |

Labor Day – next Monday, no school