

SCIENCE AGENDA April 8 - 12th

Content Standard: MS-PS2-3 Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.

MS-PS3-1 Construct and interpret graphical displays of data to describe the relationships of kinetic energy to mass of an object and to the speed of an object.

MS-PS3-2 Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system.

MS-PS3-5 Construct, use and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.

DATE	FOCUS QUESTION	IN CLASS WORK (Performance Task)	SUCCESS CRITERIA
Monday April 8th	FOCUS QUESTION How can electrical energy be generated?	<u>Unit 7.1 (Lesson 3) Making the Light Light</u> <ul style="list-style-type: none"> In a small group, students will receive a list of materials and problem solve how they can use these materials to make the light light. Students will draw a picture of their generator. 	HW: None Students will be able to explain the materials needed to make a generator and explain how it works.
Tuesday April 9th	FOCUS QUESTION What are the similarities and differences between each group's generator?	<ul style="list-style-type: none"> Students will share their drawings of their generator. *Gallery Walk) Students will fill in their Vocabulary Book: System, Input, Output, Energy and Models 	HW: None Students will be able to name at least one similarity with each group's generator.
Wednesday April 10th	FOCUS QUESTION How can we protect our planet by using renewable energy sources? Guest Teacher (I will be in a science meeting.)	<ul style="list-style-type: none"> Students will watch a Bill Nye Movie: Energy https://www.youtube.com/watch?v=8qmszMwTkpk Students will answer Questions about the movie on Energy. 	HW: None Students will be able to name one solution for protecting our planet
Thursday April 11th	FOCUS QUESTION How can we get the generator to spin to produce electricity?	<ul style="list-style-type: none"> Students will watch a movie about a plastic water bottle wheel. https://www.youtube.com/watch?v=GT8X31XHy9Q Students will fill out a reflection sheet: "How can electrical energy be generated?" 	HW: None Students will be able to explain how they are going to spin the generator to produce electricity.
Friday April 12th	FOCUS QUESTION What new knowledge do we have to answer the questions on our bubble map.	<ul style="list-style-type: none"> Students will fill in the Unit Summary Table. The class will revise their Bubble Map. 	HW: None Students will be able to answer at least one question on their bubble map.