

7th Grade Science Agenda- Mrs. Sharon

Week of May 22, 2017

Day	In Class/Learning Targets	HW/Reminders
Monday 5-29	No School-Memorial Day	
Tuesday 5-30 <i>I can describe a wave and its properties.</i>	See Math and Science 1. Bill Nye Waves https://www.youtube.com/watch?v=k1EQtkCI0WI 2. Bill Nye Waves Questions Success Criteria: Students will answer 8 out of 10 questions correctly on video quiz.	You need your laptop the rest of the week!
Wednesday 5-31 <i>I can describe how waves can be transmitted through various materials.</i> <i>I can understand electromagnetic radiation does not need a medium to travel.</i>	Block Schedule-Odd Day (1, 3, 7) 1. Study Jams Wave Properties Review: http://studyjams.scholastic.com/studyjams/jams/science/energy-light-sound/light-absorb-reflect-refract.htm And : Test Yourself Oral Quiz 2. Sound and Light book-Read text: p.76-81 Waves of the Electromagnetic Spectrum and <u>Word, Phrase, Sentence Activity</u> 3. What is the Spectrum? AIMS Lesson Success Criteria: Students will complete the Word, Phrase, Sentence Activity accurately.	Finish What is the Spectrum? Waves Quiz June 12/13 You need your laptop the rest of the week!
Thursday 6-1	Block Schedule-Even Day (2, 4, 6) See Wednesday	
Friday 6-2 <i>I can understand electromagnetic radiation does not need a medium to travel.</i>	See All Classes/Early Release Check: What is the Spectrum? Complete Survey for School Climate https://docs.google.com/forms/d/e/1FAIpQLSerJAQAdh2-6jp4PFMbXGidz050W_Jyn0NFS4xhuX29WoQuQ/viewform?usp=sf_link	Waves Quiz June 12/13 Enjoy your weekend!

	1. Waves and Light Interactives http://interactivesites.weebly.com/light.html	
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Turn Over for Standards covered this unit.

Engineering Design (All Levels)

MS-ETS1-1 Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

MS-ETS1-2 Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.

MS-ETS1-3 Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.

MS-ETS1-4 Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.

Waves and Electromagnetic Radiation

MS-PS4-1 Use mathematical representations to describe a simple model for waves that includes how the amplitude of a wave is related to the energy in a wave.

MS-PS4-2 Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.

MS-PS4-3 Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.