

# 7th Grade Science Agenda- Mrs. Sharon

Week of May 22, 2017

Day	In Class/Learning Targets	HW/Reminders
<p><b>Monday</b> 5-29</p>	<p><b>No School-Memorial Day</b></p>	
<p><b>Tuesday</b> 5-30</p> <p><i>I can describe a wave and its properties.</i></p>	<p><b>See Math and Science</b></p> <p>1. Bill Nye Waves <a href="https://www.youtube.com/watch?v=k1EQtkCI0WI">https://www.youtube.com/watch?v=k1EQtkCI0WI</a></p> <p>2. Bill Nye Waves Questions <b>Success Criteria:</b> Students will answer 8 out of 10 questions correctly on video quiz.</p>	<p><b>You need your laptop the rest of the week!</b></p>
<p><b>Wednesday</b> 5-31</p> <p><i>I can describe how waves can be transmitted through various materials.</i></p> <p><i>I can understand electromagnetic radiation does not need a medium to travel.</i></p>	<p><b>Block Schedule-Odd Day (1, 3, 7)</b></p> <p>1. Study Jams Wave Properties Review: <a href="http://studyjams.scholastic.com/studyjams/jams/science/energy-light-sound/light-absorb-reflect-refract.htm">http://studyjams.scholastic.com/studyjams/jams/science/energy-light-sound/light-absorb-reflect-refract.htm</a> And : Test Yourself Oral Quiz</p> <p>2. Sound and Light book-Read text: p.76-81 Waves of the Electromagnetic Spectrum and <u>Word, Phrase, Sentence Activity</u></p> <p>3. What is the Spectrum? AIMS Lesson</p> <p><b>Success Criteria:</b> Students will complete the Word, Phrase, Sentence Activity accurately.</p>	<p><b>Finish What is the Spectrum?</b></p> <p><b>Waves Quiz</b> June 12/13</p> <p><b>You need your laptop the rest of the week!</b></p>
<p><b>Thursday</b> 6-1</p>	<p><b>Block Schedule-Even Day (2, 4, 6)</b></p> <p><b>See Wednesday</b></p>	
<p><b>Friday</b> 6-2</p> <p><i>I can understand electromagnetic radiation does not need a medium to travel.</i></p>	<p><b>See All Classes/Early Release</b></p> <p><b>Check: What is the Spectrum?</b></p> <p><b>Complete Survey for School Climate</b> <a href="https://docs.google.com/forms/d/e/1FAIpQLSerJAQAdh2-6jp4PFMbXGjdz050W_Jyn0NFS4xhuX29WoQ_uQ/viewform?usp=sf_link">https://docs.google.com/forms/d/e/1FAIpQLSerJAQAdh2-6jp4PFMbXGjdz050W_Jyn0NFS4xhuX29WoQ_uQ/viewform?usp=sf_link</a></p>	<p><b>Waves Quiz</b> June 12/13</p> <p><b>Enjoy your weekend!</b></p>

	1. Waves and Light Interactives <a href="http://interactivesites.weebly.com/light.html">http://interactivesites.weebly.com/light.html</a>	
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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.