

Davis - 7th Grade Science Agenda

Week of May 22, 2017

Day/ Learning Target	In Class/Success Criteria	HW/Reminders
Monday 5-29	No School-Memorial Day	
<p style="text-align: center;">Tuesday 5-30</p> <p><i>I can describe a wave and its properties.</i></p>	<p style="text-align: center;">See Math and Science</p> <ol style="list-style-type: none"> 1. Bill Nye Waves https://www.youtube.com/watch?v=k1EQtkCl0WI 2. Bill Nye Waves Questions <p>Success Criteria: Students will answer 8 out of 10 questions correctly on video quiz.</p>	<p>You need your laptop the rest of the week!</p>
<p style="text-align: center;">Wednesday 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 style="text-align: center;">Block Schedule-Odd Day (3, 5)</p> <ol style="list-style-type: none"> 1. Study Jams Wave Properties Review: .http://studyjams.scholastic.com/studyjams/jams/science/energy-light-sound/light-absorb-reflect-refract.ht 2. Sound and Light book-Read text: pg.76-81 Waves of the Electromagnetic Spectrum and <u>Word, Phrase, Sentence Activity</u> 3. What is the Spectrum? AIMS Lesson <p>Success Criteria: Students will complete the Word, Phrase, Sentence Activity accurately.</p>	<p style="text-align: center;">Finish What is the Spectrum?</p> <p style="text-align: center;">Waves Quiz June 12/13</p> <p style="text-align: center;">You need your laptop the rest of the week!</p>
Thursday 6-1	<p>Block Schedule-Even Day (2, 4)</p> <p style="text-align: center;">See Wednesday</p>	
<p style="text-align: center;">Friday 6-2</p> <p><i>I can understand electromagnetic radiation does not need a medium to travel.</i></p>	<p style="text-align: center;">See All Classes/Early Release</p> <p style="text-align: center;">Check: What is the Spectrum?</p> <p>Complete Survey for School Climate https://docs.google.com/forms/d/e/1FAIpQLSerJAQAdh2-6jp4PFMbXGjdz050W_Jyn0NFS4xhuX29WoQ_uQ/vwform?usp=sf_link</p> <ol style="list-style-type: none"> 1. Waves and Light Interactives http://interactivesites.weebly.com/light.html <p>Success Criteria: Students will answer questions on AIMS lesson with 80% accuracy.</p>	<p style="text-align: center;">Waves Quiz June 12/13</p> <p style="text-align: center;">Enjoy your weekend!</p> <p style="text-align: center;">Field Trip next Wednesday!</p>

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.