Davis - 7th Grade Science Agenda

Week of May 22, 2017

Day	In Class/Learning Targets	HW/Reminders
Monday 5-22 *I can describe properties of waves.* *I can explain how waves interact with each other and various materials.*	**Block Schedule-Odd Day (3, 5)** 1. Review Properties of Waves Vocab 2. Notes in notebook: reflection, refraction, diffraction, interference 3. Read textbook p. 17-23 Interactions of Waves: Guided Read 4. HW: Review and Reinforce: Interactions of Waves **Success Criteria:Students will complete the guided reading with 80% accuracy.**	Finish Review and Reinforce
Tuesday 5-23	**Block Schedule-Even Day (2, 4)** **See Monday**	
Wednesday 5-24 *I can explain how waves interact with each other and various materials.*	**Block Schedule-Odd Day (3, 5)** **Check: Interactions of Waves Review and Reinforce** 1. Making Waves Lab 2. What are Electromagnetic Waves? 3. Catch the Waves Interactive **Success Criteria: Students will score 80% or better on Review & Reinforce.**	**Field Trip Slips due by today!**
Thursday 5-25	**Block Schedule-Even Day (2, 4)** **See Wednesday**	
Friday 5-26 *I can understand that electromagnetic waves do not need a medium to travel.*	**See All Classes/Early Release** **Check: Making Waves Lab** 1. Prism Exploration 2. ROY G. BIV/Electromagnetic Spectrum **Success Criteria: Students will score 80% or higher on making waves lab.**	**Quiz June 12/13**

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.