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| November 2 - November 6 | |
| ACOS 14 | **17. Create and manipulate a model of a simple wave to predict and describe the relationships between wave properties (e.g., frequency, amplitude, wavelength) and energy. a. Analyze and interpret data to illustrate an electromagnetic spectrum.**  **a. Analyze and interpret data to illustrate an electromagnetic spectrum.**  **18. Use models to demonstrate how light and sound waves differ in how they are absorbed, reflected, and transmitted through different types of media.**  **Objective SCI.8.18.1: Define absorbed, reflected, transmitted, amplitude, wavelength,**  **frequency, media, sound waves, and electromagnetic waves.**  **Objective SCI.8.18.2: Compare and contrast properties of light waves and sound waves.**  **Objective SCI.8.18.3: Describe how sound waves are absorbed, reflected, and transmitted**  **through different media.**  **Objective SCI.8.18.4: Describe how light waves are absorbed, reflected, and transmitted through different media.**  **Objective SCI.8.18.5: Identify light waves.**  **Objective SCI.8.18.6: Identify sound waves.** |
| Learning Targets | Objective SCI.8.17.2: Measure the amplitude, wavelength, and frequency of a wave.  Objective SCI.8.17.3: Diagram the electromagnetic spectrum.  Objective SCI.8.17.6: Identify different types of waves.  **Objective SCI.8.18.1: Define absorbed, reflected, transmitted, amplitude, wavelength, frequency, media, sound waves, and electromagnetic waves.**  **Objective SCI.8.18.2: Compare and contrast properties of light waves and sound waves.**  **Objective SCI.8.18.3: Describe how sound waves are absorbed, reflected, and transmitted through different media.**  **Objective SCI.8.18.4: Describe how light waves are absorbed, reflected, and transmitted through different media.**  **Objective SCI.8.18.5: Identify light waves.**  **Objective SCI.8.18.6: Identify sound waves.** |
| Summary of Task | **Students will**  **Monday**- Read the Laying the Foundation notes and answer note interaction questions. Answer questions inj activity sheet on EM waves  **Tuesda**y-  Work on schoology activities and assignments  **Wednesday -** Review waves on quizziz  **Thursday** - Take a Test on Waves  **Friday**- Work on Schoology activities and assessments on Magnetism |
| Materials | * Laying the foundation A plus college ready Powerpoint * Packet on Electricity, Waves and Information Transfer * Schoology,Chromebook. * AMSTI investigation materials * Laying the foundation labs and activities |
| Assessments | * Schoology Assignments * Stemscopes and electromagnetic radiation worksheets * Test on Waves |
| Homework |  |