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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
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| Assessments | * Schoology Assignments
* Stemscopes and electromagnetic radiation worksheets
* Test on Waves
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| Homework |  |