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| November 9 - November 13 | |
| 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.**  **19. Integrate qualitative information to explain that common communication devices (e.g., cellular telephones, radios, remote controls, Wi-Fi components, global positioning systems [GPS], wireless technology components) use electromagnetic waves to encode and transmit information.**  **19. Integrate qualitative information to explain that common communication devices (e.g., cellular telephones, radios, remote controls, Wi-Fi components, global positioning systems [GPS], wireless technology components) use electromagnetic waves to encode and transmit information.** |
| Learning Targets | **Review ACOS 17, 18**  **Objective SCI.8.19.1: Define encode, transmit, and electromagnetic waves.**  **Objective SCI.8.19.2: Explain how electromagnetic waves are used.**  **Objective SCI.8.19.3: Research the technology utilized in various communication devices.**  **Objective SCI.8.19.4: Illustrate how electromagnetic waves are transmitted.**  **Objective SCI.8.19.5: Identify communication devices** |
| Summary of Task | **Monday**- Answers to Review sheet  **Tuesda**y-Test on Waves  **Wednesday**- Magnets lesson on Schoology  Morse Code Activity  **Thursday** - Schoology assignment on Magnets  **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 | Study for test |