|  |
| --- |
| 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 SchoologyMorse 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  |