





Needwood Middle School Daily Agenda/Lesson Plan


Teacher(s):	Date: 3/17 Day 1: Introduction Slideshow/Sound Notes and Mini Lab
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<input type="checkbox"/> Recall what type of wave requires a medium <input type="checkbox"/> Recall what types of waves sound and light are <input type="checkbox"/> Recall which types of waves are transverse or longitudinal <input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude <input type="checkbox"/> Describe what effect a change in amplitude does to light and sound <input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	 Unit 14 Light and Sound Slideshow  Sound Demo Mini Lab

Needwood Middle School Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/18 Day 2: Sound Gizmo
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<input type="checkbox"/> Recall what type of wave requires a medium <input type="checkbox"/> Recall what types of waves sound and light are <input type="checkbox"/> Recall which types of waves are transverse or longitudinal <input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude


	<input type="checkbox"/> Describe what effect a change in amplitude does to light and sound <input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	https://gizmos.explorellearning.com/index.cfm?method=cResource.dspDetail&resourceID=518  HearingFreqVolumeSE  Unit 14 Light and Sound Slideshow

Needwood Middle School Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/19 Day 3: sound phet lab
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<input type="checkbox"/> Recall what type of wave requires a medium <input type="checkbox"/> Recall what types of waves sound and light are <input type="checkbox"/> Recall which types of waves are transverse or longitudinal <input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude <input type="checkbox"/> Describe what effect a change in amplitude does to light and sound <input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	 Sound Waves Phet Lab https://phet.colorado.edu/en/simulations/sound-waves

Needwood Middle School Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/20 Day 4: Light Waves Notes/Worksheet
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.

Success Criteria:	<input type="checkbox"/> Recall what type of wave requires a medium <input type="checkbox"/> Recall what types of waves sound and light are <input type="checkbox"/> Recall which types of waves are transverse or longitudinal <input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude <input type="checkbox"/> Describe what effect a change in amplitude does to light and sound <input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	 Unit 14 Light and Sound Slideshow Electromagnetic Spectrum Worksheet

Needwood Middle School Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/21 Day 5: Achieve, “A Titanic Task”/Light and Sound BrainPop
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<input type="checkbox"/> Recall what type of wave requires a medium <input type="checkbox"/> Recall what types of waves sound and light are <input type="checkbox"/> Recall which types of waves are transverse or longitudinal <input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude <input type="checkbox"/> Describe what effect a change in amplitude does to light and sound <input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	Achieve, “A Titanic Task” Light and Sound BrainPop

Needwood Middle School
Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/24 Day 6: Electromagnetic Spectrum Poster
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<ul style="list-style-type: none"><input type="checkbox"/> Recall what type of wave requires a medium<input type="checkbox"/> Recall what types of waves sound and light are<input type="checkbox"/> Recall which types of waves are transverse or longitudinal<input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude<input type="checkbox"/> Describe what effect a change in amplitude does to light and sound<input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	Students will demonstrate their knowledge on the electromagnetic spectrum by drawing a poster with examples of each light wave.

Needwood Middle School
Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/25 Day 7: Finish Posters
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<ul style="list-style-type: none"><input type="checkbox"/> Recall what type of wave requires a medium<input type="checkbox"/> Recall what types of waves sound and light are<input type="checkbox"/> Recall which types of waves are transverse or longitudinal<input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude<input type="checkbox"/> Describe what effect a change in amplitude does to light and sound<input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	Finish Posters and all missing assignments.

Needwood Middle School
2022-2023
Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/26: Review
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<ul style="list-style-type: none"><input type="checkbox"/> Recall what type of wave requires a medium<input type="checkbox"/> Recall what types of waves sound and light are<input type="checkbox"/> Recall which types of waves are transverse or longitudinal<input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude<input type="checkbox"/> Describe what effect a change in amplitude does to light and sound<input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	Students will complete a study guide and gimkit to review for the test. Finish Posters

2022-2023
Daily Agenda/Lesson Plan

Teacher(s):	Date: 3/27 Day 9: Test
Standards:	S8P4a
Learning Target:	I can explain how electromagnetic waves and mechanical waves are similar and different.
Success Criteria:	<ul style="list-style-type: none"><input type="checkbox"/> Recall what type of wave requires a medium<input type="checkbox"/> Recall what types of waves sound and light are<input type="checkbox"/> Recall which types of waves are transverse or longitudinal<input type="checkbox"/> Recall what effect a change in energy does to wavelength, frequency, and amplitude<input type="checkbox"/> Describe what effect a change in amplitude does to light and sound<input type="checkbox"/> Describe what effect a change in frequency/wavelength does to light and sound
Activity(ies)/Assignment with Text and/or Links:	Unit 14 test on Pear Assessment