

HS Physical Science Godfrey Remote Lesson Plan

Teacher/Subject: Godfrey/HS Physical Science	Date: Thursday, March 19, 2020
Standards:	SPS9a. Analyze and interpret data to identify the relationships among wavelength, frequency, and energy in electromagnetic waves and amplitude and energy in mechanical waves. SPS9d. Analyze and interpret data to explain how different media affect the speed of sound and light waves. SPS9e. Develop and use models to explain the changes in sound waves associated with the Doppler Effect.
Objective:	To use a simulation that generates data for students to use to identify relationships among the properties of electromagnetic and mechanical waves. To research and explain how different media affect the speed of sound and light waves.
Student Activities:	<ol style="list-style-type: none">1. Sound Waves PhET Lab (30 minutes)<ul style="list-style-type: none">Go to Google Classroom to access the Sound Waves PhET Lab. Instructions for the assignment are located there as well.2. Sound vs Light: Do different media matter? (30 minutes)<ul style="list-style-type: none">Go to Google Classroom to access the instructions for this assignment. Instructions for the assignment are located there as well.3. Doppler Shift Gizmo (60 minutes)<ul style="list-style-type: none">Go to Google Classroom to access the Doppler Shift Gizmo assignment. Instructions for the assignment are located there as well.4. Review Games - Just in case you need or want more :-)<ul style="list-style-type: none">Play games to review concepts on waves by visiting Ms. G's website. Look at Unit 9 Weblinks. Scroll down to the test prep section.
Resources:	Ms. Godfrey's Website: atomsandapples.weebly.com/ Google Classroom: <ul style="list-style-type: none">A few people are missing from the Google Classroom in 4th period due to absences. If you were absent when we created the class, please use class code "y7s6c2f" to join. Go to Google Classroom, click on the plus sign in the top right corner, and add the class code when asked for it.

	<ul style="list-style-type: none">• All other classes are complete. Yay! <p>Online Textbook: Go to ClassLink, click on the McGraw-Hill Connect Ed app, choose the Physical Science textbook</p>
Help Session Hours:	Thursday, March 19 10am-12pm