

HS Physical Science Godfrey Remote Lesson Plan

Teacher/Subject: Godfrey/HS Physical Science	Date: Thursday, March 26, 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. SPS9b. Ask questions to compare and contrast the characteristics of electromagnetic and mechanical waves. SPS9c. Develop models based on experimental evidence that illustrate the phenomena of reflection, refraction, interference, and diffraction.
Objective:	To assess student understanding of the characteristics of electromagnetic and mechanical waves and their relationships among wavelength, frequency, and energy. To research how sight is impacted by the reflection and refraction of light waves. To explain both how mirrors and lenses work and practical uses for them in everyday life.
Student Activities:	1. Wave Properties Quiz (20 minutes) <ul style="list-style-type: none">Go to ClassLink sign-in, select the Illuminate app, select "Wave Properties Quiz" 2. Mirrors and Lenses Note-taking (20 minutes) <ul style="list-style-type: none">Go to Google Classroom to access the materials and instructions for the Mirrors and Lenses assignment.You will be reading through a PowerPoint and taking notes on a graphic organizer. 3. Mirrors and Lenses Choice Assignment (20 minutes) <ul style="list-style-type: none">CHOOSE ONE of the activities...<u>Gizmo</u> - Play with the Laser Reflection Activities. Be sure to log-in to explorelarning.com (See further details below) and play with the simulation. Be sure to test everything out. Once you feel like you understand the concepts demonstrated take the quiz.<u>GPB Reflection video</u> – You will find the link to the "Physics in Motion" video on reflection located in Google Classroom. The video explains reflection and what happens with plane, concave and convex mirrors. You will then complete the connected assignment located in Google Classroom. 4. Light & Color (20 minutes)

	<ul style="list-style-type: none"> • Go to Google Classroom to access the materials and instructions for the Light & Color assignment. • You will be reading through multiple PowerPoints and taking notes on a series of graphic organizers. <p>5. Review Games - Just in case you need or want more :-)</p> <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:	<p>Ms. Godfrey's Website: atomsandapples.weebly.com/</p> <p>Online Text: ClassLink, McGraw Hill Connect Ed</p> <p>Google Classroom:</p> <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. • All other classes are complete. Yay! <p>Gizmo: To access go to explorlearning.com, login with username - your lunch # and password – your birthday</p> <p>GPB Videos: Reflection</p>
Help Session Hours:	<p>Via Email: Thursday, March 26 10am-11:30 am</p> <p>Zoom Session: Thursday, March 26 11:30 am to 12:00 pm</p>