

Godfrey Remote Lesson Plan

Teacher/Subject: Godfrey/8th Grade Science	Date: Thursday, April 16, 2020
Standards:	<p>S8P4a. Ask questions to develop explanations about the similarities and differences between electromagnetic and mechanical waves.</p> <p>S8P4b. Construct an explanation using data to illustrate the relationship between the electromagnetic spectrum and energy.</p> <p>S8P4c. Design a device to illustrate practical applications of the electromagnetic spectrum (e.g., communication, medical, military).</p> <p>S8P4d. Develop and use a model to compare and contrast how light and sound waves are reflected, refracted, absorbed, diffracted or transmitted through various materials.</p> <p>S8P4e. Analyze and interpret data to predict patterns in the relationship between density of media and wave behavior (i.e., speed).</p> <p>S8P4f. Develop and use a model (e.g., simulations, graphs, illustrations) to predict and describe the relationships between wave properties (e.g., frequency, amplitude, and wavelength) and energy</p> <p>S8P4g. Develop and use models to demonstrate the effects that lenses have on light (i.e., formation an image) and their possible technological applications.</p>
Objective:	To review all concepts related to waves, sound and light.
Student Activities:	<p>1. Unit 4b Study Guide Part 2 (50 minutes)</p> <ul style="list-style-type: none">You will find the Unit 4b Study Guide assignment in Google Classroom (GC).You should have already downloaded the document, saved it to your device, and filled-in your answers for #1-25. <u>Now you need to complete the second half of the study guide before Thursday, April 23.</u> You will need to upload and submit your completed study guide to GC.Your Unit 4b Test is scheduled for Thursday, April 23.Don't forget to check your study guide before the test. The answers will be posted on Ms. G's website in the normal place. <p>2. Study Island Waves Review - Characteristics, EM & Behavior (50 minutes)</p> <ul style="list-style-type: none">To get to Study Island go to ClassLink, find the Study Island app, then click the assignments tab in the bottom right corner. You will select the Waves Review - Characteristics, EM & Behavior.

	<ul style="list-style-type: none"> • You may take the quiz as many times as you need to achieve an 80% on the practice/quiz for full credit. • There are 3 assignments. Each assignment has a review of material, two have flashcards, and all three have a review quiz. • If you score higher than an 80% on the quiz at the end of each section, you will have the option of game mode. <p>3. Quizlet Live during Help Session on Thursday, April 16 (20 minutes)</p> <ul style="list-style-type: none"> • Come one come all! Ms. G will host a Quizlet live session via Zoom beginning at 11:30 am. The Zoom link is in Google Classroom. • You will be placed on random teams for this game. • If you have not used the Quizizz and Quizlet review links posted in the resources section below you may want to...
Resources:	<p>Ms. Godfrey’s Website: atomsandapples.weebly.com/ Online Text: To access go to ClassLink, HMH Ed and look for the tab at the top labeled “Assignments.” Google Classroom: Login and open GC for science class Gizmo: To access go to explorellearning.com, login with username - your lunch # and password – your birthday Study Island: To access go to ClassLink, select the Study Island app</p>
Help Session Hours:	Thursday, April 16 10am-12pm