8th Grade Science Godfrey Remote Lesson Plan

Teacher/Subject: Godfrey/8th Grade Physical Science	**Date:** Thursday, March 19, 2020
Standards:	**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. **S8P4e.** Analyze and interpret data to predict patterns in the relationship between density of media and wave behavior (i.e., speed).
Objective:	To use a graphic organizer to compare and contrast the interactions of sound waves and light waves. To analyze and use data to understand patterns between density and wave behaviors.
Student Activities:	1. **Read and Take Notes on Graphic Organizer (GO) (50 minutes)** **<u>Textbook Access</u>** • You may print the book pages or read them online by accessing your online text. To get to the online text go to ClassLink, HMH Ed, then click the assignments tab at the top center. Both versions of the text have a #1 next to them. *<u>Choose which ever version you prefer</u>*. • You will be looking at two sections Interactions of Sound Waves (pg 572-583) & Interaction of Light (pg 628-637) **<u>Interactions of Waves GO</u>** • Go to Google Classroom. • Download a copy of the Interaction of Waves GO and add notes and examples to the sound and light columns. • You may add notes as you read or afterward. • Once you have added notes to each section please upload your work on the GO to Google Classroom and submit to Ms. G. • This assignment will be graded. 2. **Digital Lessons & Virtual Lab (30 minutes)** • The Digital Lesson and Virtual Lab are assigned in your online textbook via ClassLink, HMH Ed, then click the assignments tab at the top center. • You will see three assignments: Two on sound labeled “2a” and one on light labeled “2b.” • CHOOSE ONE activity on sound to complete from the 2a choices. You can pick either the digital lesson OR the virtual lab.

	• Then, CHOOSE the 2b activity on light. • These assignments are for practice with the concepts of sound and light. Answers will be recorded via the textbook. 3. **Online Assessment Lesson Quiz (20 minutes)** • The Online Assessment Lesson Quizzes are assigned in your online textbook via ClassLink, HMH Ed, then click the assignments tab at the top center. • There are TWO quizzes 5 question quizzes: 3a on Interactions of Sound Waves and 3b on Interactions of Light. • You must complete both quizzes and submit via the textbook platform. 4. **Pick a PowerPoint to Ponder (20 minutes)** • Go to Ms. G's Website atomsandapples.weebly.com/ • Look under the 8th Grade Physical Science tab at the top. Use the drop-down menu and hover over 8th Grade Weblinks then select Unit 4 - Waves to the right. • Once in Unit 4 –Waves scroll down to where you see all the Unit Resources (PowerPoints and videos). • Select a PowerPoint to view with "Interactions" in the title. • Read through presentation you chose. **If you would like a game to play or practice with choose from the games at the top of the Unit 4 - Waves page in Weblinks.
Resources:	**Ms. Godfrey's Website:** atomsandapples.weebly.com/ **Online Text:** ClassLink, HMH Ed app **Google Classroom:** If you were absent when we created the class use class code "vrlbk7m" to join. Go to Google Classroom look at the top right corner and click the plus sign, add the class code and you're in.
Help Session Hours:	Thursday, March 19 10am-12pm