Grade 8 Science   **Periods 4, 5, and 9**   **Mrs. Smith**

Instructions for at-home learning   **March 16 - April 14, 2020**

1. You have received a Physical Science textbook to use to complete the following assignments. If you have access to the internet, I have created a Google Classroom where you will find these instructions and other additional materials in the coming weeks. The code to enroll in the class is **q7stpca.** Otherwise please contact me by email at ssmith@hpschools.org. If you do not have internet access, don't worry - all work can be done without the internet. I have included a mix of review work and some assignments that preview material that you will be taught when we return to school. Good luck!

2. Lessons:
   - Respiration and Photosynthesis Packet: Please read the packet and complete the attached worksheets. This is an important review from 7th grade life science. We will use this information in a lab activity when you return to school. (1 day)

   - Wave Vocabulary Packet: Please use Chapter 15 in the textbook to preview important vocabulary. Try the attached assignment in the packet using p. 516 in the textbook. I will teach this material when you return to school, but knowing the vocabulary before then is important. If you have a Slinky or can get one (at the Dollar Store they cost $1) :) you can try modeling the different waves.(4 days)

   - The Nature of Sound Worksheet: Please use Chapter 16 in the textbook to read about sound waves. Pick out one of the sections that is of interest to you - Doppler Effect, music, the human ear, or acoustics, and try one of the At-Home Activities in the chapter. Be prepared to share about the activity when we return to school. (1 day)

   - Waves of the Electromagnetic Spectrum Packet (attached to the Nature of Sound packet): Please use Chapter 17 in the textbook to preview important vocabulary. Complete the worksheets in the packet. I will teach this material when we return to school and you will use this material to create a group presentation on the different waves of the spectrum. (4 days)