

# VOCATIONAL AND CAREER EDUCATION APRIL $13^{TH} - 17^{TH} 2020$

## These are general Automotive Technology activities. Please make sure you are checking your BPS email and Microsoft TEAMS for updates from your teachers. They will be sending you other activities that are specifically designed for your class.

Activity 1:

### **Compression Testing Magazine Article Questions**

#### INSTRUCTIONS:

- 1. Click on the link to read *Engine Diagnosis Article*
- 2. Answer the questions below.

### QUESTIONS:

- 1. What percentage difference is acceptable as a rule of thumb on most cars?
- 2. Explain the difference between a hot & cold compression test.

3. Why would a technician squirt oil in the cylinder during the test?

4. What does a leakdown test check for and why is it used?



City of Brockton BROCKTON PUBLIC SCHOOLS Michael P. Thomas • Superintendent of Schools

Activity 2:

## **Video Demonstration Questions**

#### INSTRUCTIONS:

- Click on the link to watch a video: <u>YouTube Video</u>
- Answer the short answer questions below:

#### QUESTIONS:

5. What tools are required in order to perform a compression test?

6. Why do you have to depress the accelerator pedal while performing the test?

7. If you are alone, how can you depress the pedal without an additional technician? How do you crank the engine?

When completed, save this work to your Office365 OneDrive and feel free to share it with your teacher.