**Activity:** 11.1 – Filters, Filters Everywhere

**Supplies:**

* Computer
* NATEF journals or reference documents
* Internet access
* Engine
* Fuel Filter

**Instructions:**

1. After the teacher has covered the Engine Performance presentation, students will work in pairs to complete this activity.
2. The students will research the four types of fuel

filters that were presented in the presentation.

1. Include the following information:
   1. The physical appearance of the filter. Description in words!
   2. What vehicle/engine is this filter used for?
   3. How is this filter different from the others?
   4. Pros and Cons of this filter
2. The students will create a poster or one slide/filter presentation comparing all of the filters.
3. The above information should be included as well as a picture of each filter
4. Remember to cite where you get the information from whether it be the internet or a book!!!!
5. THIS IS DUE ON FRIDAY JANUARY 8, 2016!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
6. The pair will then choose one of the filters to replace and include pictures or a short video of them changing this particular filter in their presentation.
7. The students will be graded on their ability to cohesively present the information about the filters, work well with their partner.
8. Students should use proper engine performance terminology and their own pictures.