

## Engineering Summer Assignment

Please type your answers in a Word document (or similar program) and have it ready for the first week of classes.

1. Explain in a few sentences, why are you interested in the Engineering Strand?
2. Please list the instances where engineering affects your life. To do this, follow a typical day in your life and identify things that you are able to use because of engineering. Then indicate the engineering discipline that corresponds to each of those instances. Your list should include at least 15 instances, but fewer than 30.

For example:

Shower: I can take a shower, because the water gets to my shower head due to engineering. The engineering discipline corresponding to this is Civil Engineering, and more specifically, Hydraulic Engineering.

3. What are the engineering challenges that you think we, as a society, will face in the future? Please include at least five engineering challenges and elaborate on each one.
4. Look around your room and select an object/device and think of ways to improve it. Please describe the original object/device and the changes that you propose to improve its function.
5. What do you think your career path will be in the future and how will this class help you prepare for that career?