Engineering Awareness Week Assignment

The goal of attending Engineering Awareness Week is to begin to explore engineering disciplines within and outside of your major that you might be interested in pursuing. In addition, you should begin to get an understanding of how engineers in different disciplines work together.

From the list of major awareness night events, identify the major(s) that you feel are the best match for your interests and career goals at this time. Please keep in mind you should attend two or more awareness night events during the week. Again, the goal being to see which engineering majors most align with your interests and future goals.

Connections:
After attending at least two awareness night events, think about a product or process that requires engineers from at least two disciplines to work in collaboration in order to be created. Describe below how the different kinds of engineers must work together to successfully create the product or process.

As an example, an electric car requires a mechanical engineer to design the car chassis, body, gearing and braking systems; an electrical engineer to design the motor and the other electrical parts to make the car run and operate the auxiliary equipment; a chemical engineer to design a high-efficiency battery or fuel cell to store electrical energy; and a manufacturing engineer to design an economical manufacturing line so the car can be produced at a price customers are willing to pay. None of these engineers can do their job without working closely with the other types of engineers.
Major Exploration #1: ________________________________

1. List three types of jobs graduates from this major work in?

2. What are the most active student groups for this major? What type of projects do they work on? How can you get involved?

3. What other engineering disciplines would someone in this major be most likely to collaborate with?

4. When considering what a career would be like in this major, what aspect of this major resonates with your interests, skills and abilities? Why?

5. What aspect of this major do you think you would like the least? Why?

6. List three ways you could explore this major in more depth (ie student groups, informational interviews, etc)
Major Exploration #2: ________________________________

1. List three types of jobs graduates from this major work in?

2. What are the most active student groups for this major? What type of projects do they work on? How can you get involved?

3. What other engineering disciplines would someone in this major be most likely to collaborate with?

4. When considering what a career would be like in this major, what aspect of this major resonates with your interests, skills and abilities? Why?

5. What aspect of this major do you think you would like the least? Why?

6. List three ways you could explore this major in more depth (ie student groups, informational interviews, etc)