



Career Presentation: Control Engineer

Directions: In small groups or pairs, research and present on one (1) of the environments in which a control engineer can work automotive factories, chemical plants, food and beverage production, roperies (rope manufacturing), textile mills, power plants (nuclear, thermal, hydro), renewable energy facilities (wind farms, solar), water treatment and distribution, aircraft and spacecraft control systems, missile guidance systems, flight simulators, smart buildings and HVAC systems, lighting and security automation. Be informative, creative, and persuasive, while also being mindful of your public speaking skills.

This project will be graded using the Career Presentation Rubric. At least five (5) minutes should be spent presenting on this topic using at least one visual aid.

Use the following questions to guide your research and presentation.

- 1) What are the main duties of a Control Engineer?
- 2) What tools does a Control Engineer use to do his/her job?
- 3) What education is required to be a Control Engineer? Be specific.
- 4) What important skills are required in order to be a Control Engineer?
- 5) What are some interesting aspects of this specialty?
- 6) What are some challenging aspects of this specialty?
- 7) Why is a Control Engineer so important for the health of our community?
- 8) What do you respect most about the Control Engineer?
- 9) What is the average salary of a Control Engineer?
- 10) What are the typical work day requirements of a Control Engineer?
- 11) What are the typical working hours of a Control Engineer?

Career Presentation Rubric:

20 Points - Depth of Knowledge

20 Points - Skills Summary

20 Points - Creativity

20 Points - Public Speaking

20 Points - Visual Aid