

Lesson Plan 3: Where Does it Go from Here?

Name _____ Date _____

Careers in Engineering

Engineers use science and mathematics to solve problems. Discovering how to convert methane generated in landfills to useful energy is just one example of how companies like Waste Management use engineers to solve environmental problems. The US Dept. of Labor predicts an increasing need for engineers, more than an 11% growth in the next ten years.

- 1) Visit the Waste Management website www.thinkgreen.com and click on the link to "careers," then the line to Engineer I, II or III, to learn about engineering careers.

What are the typical responsibilities of an Engineer?

What experience and training is required?

- 2) Speak with the guidance counselor at your high school to learn about courses you should consider in high school that will lead to a career in engineering.

What science courses are recommended?

What mathematics courses are recommended?

- 3) Visit the website of an Engineering School at a college to learn about the requirements for entrance. For example the website of the School of Engineering at the U. of Maryland is www.engr.umd.edu/prospective/. Describe below what you found most interesting about an college program in engineering.