

Hello! I'm an Engineer! (or a _____)

Name: _____

Job Title: _____

Company: _____

Years in current job: _____

When did you decide that you wanted to become an engineer?

What kind of education and training does an engineer have to have?

What's a typical workday like for you?

What's your favorite thing about your work?

What's the weirdest thing that ever happened to you on the job?

What saps your energy on the job?

What would people be surprised to learn about you?

What's the most energizing thing you've done on the job?

What advice would you give to girls who want to be engineers?

BUILDING ENERGY EXPERTS!

Create your own "profile" to share with the girls as you guide them through their energy audit.

GIRL SCOUT JUNIORS!

Be curious! What would you like to know about careers involving energy? Now's the time to ask!

How Many Engineers Do You Know?

Engineers use science and math to find answers to problems in everyday life. They invent, design, and develop new products. They also help fix things and keep them running. Match the kind of engineer with what she might invent, improve, or keep running.

Aerospace engineer	paints, fuels, fibers, clean technology
Agricultural and biological engineer	highways, skyscrapers, bridges
Biomedical engineer	energy-efficient heating and cooling systems for buildings
Chemical engineer	medical instruments, artificial organs
Civil engineer	anything involving a mechanical process, from a hybrid car engine to a child's toy
Electrical engineer	aircraft, satellite, rockets
Energy engineer	plants, fertilizers, sprinkler systems
Mechanical engineer	power grids, MP3 players, roller coasters

Asking Good Questions, Being a Good Partner

When you're wondering how to make a building more energy-efficient, what questions need to be asked? What do you investigate? How can you innovate? Working with a sales engineer can help.

Tiffany Zimmer earned her college degree in mechanical engineering. She now helps people choose the correct heating and cooling systems for their buildings.

"I've always been interested in how things work," Tiffany says. "I also wanted to find a field where I felt like I was helping people."

Tiffany's job title is sales engineer. She helps customers select and purchase the heating, ventilation, and air conditioning (HVAC) systems that best fit the needs of their office buildings, or the hospitals, universities, and retail stores they manage. "The most rewarding thing about my work is when my customers view me as a partner and as a resource," she says.

Tiffany's father was a mechanical engineer who worked in the oil industry, so her family moved around a lot. She lived in Colorado, Alaska, Illinois, Wyoming, and Cairo, Egypt. She credits the moves with helping her to develop an outgoing personality and good communication skills, both of which are useful in her work.

- What kind of engineer might you like to be?
- How do you think engineers help people and the planet?
- Where would you like to try living and working someday?
- What's your best communication skill?

