

Engineering Expo

2012

Name:

Troop: #

Dear Girl Scouts,

On behalf of Engineering EXPO, the Society of Women Engineers, and USF,
we are pleased to host you, your troops, and your families for our 40th
Engineering EXPO!

Collect 7 signatures from this packet to earn your “Math & Science” Badge

If you have any questions, please stop by the SWE booth. Good luck and have fun!

Activities

1	Interview an Engineer	
2	"What it means to be an Engineer"	
3	Emergency Technology	
4	Top Ten Booths	
5	Positive Energy	
6	Learn the physics behind Angry Birds	
7	Visit Tau Beta Pi	
8	Make Lipstick with SWE	
9	Favorite Experiment	
10	Administration	

Interview With _____

What do you do professionally?

Why did you decide to be an Engineer?

What did you study?

What is your favorite part about your career?

How has that prepared you for your career?

What brought you to Expo?

What is your favorite part about Expo?

Free Question:

What does it mean to be an Engineer?

Find out about different kinds of engineers. Learn what they do, what training they need, and what they enjoy about their jobs.

Civil Engineering

Chemical Engineering

Computer Engineering

Electrical Engineering

Industrial Engineering

Mechanical Engineering

Emergency Technology

Visit a police officer or emergency medical technician at work to learn how they use science and technology in their jobs.

How do police officers use science and technology in their jobs?

How do emergency medical technicians use science and technology in their jobs?

How does your community use technology to meet the needs of people with disabilities?

What are the needs of people with disabilities?

Suggest one way to meet the needs of people with disabilities:

Positive Energy

As you walk through Expo figure out how each of these methods of gathering electric work, feel free to ask for help.

Coal

Solar

Geothermal

Fossil

Biomass

Hydropower

Nuclear

Wind

Natural Gas

USF College of Engineering

Find out what it takes to study Engineering at the University of South Florida

Average test scores:

GPA requirements:

Class requirements:

What they look for:

Miscellaneous
Requirements:
