

BROWNIE AUTOMOTIVE ENGINEERING 1

Automotive Design

Find out how automotive designers come up with ideas for new vehicles. Then take the wheel and design your own!



1. Explore how people move from place to place
2. Discover design criteria
3. Choose your vehicle's design criteria
4. Sketch a vehicle to meet your criteria
5. Sculpt and share your vehicle

When you've earned this badge, you'll know how to design, sketch, and sculpt a vehicle.

I earned this badge!

Use the space below to reflect on this badge. Write about it, draw a picture, or even paste in a photo!

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BROWNIE AUTOMOTIVE ENGINEERING 2

Automotive Engineering

Get in gear and explore how automotive engineers build vehicles. Then engineer your own model of a vehicle to help people during an emergency!



1. Learn about simple machines in vehicles
2. Engineer a vehicle for safety based on criteria
3. Build a vehicle prototype
4. Test and revise your vehicle prototype
5. Share your vehicle prototype and testing results

When you've earned this badge, you'll know how automotive engineers plan, build, test, and improve vehicles.

I earned this badge!

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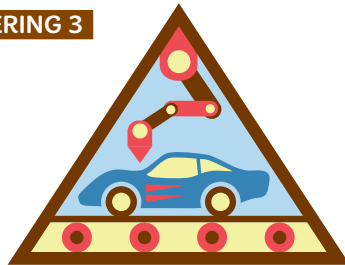
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BROWNIE AUTOMOTIVE ENGINEERING 3

Automotive Manufacturing

Experience the importance of having a plan and discover how manufacturers build lots of vehicles that are safe and well made!



1. Experience the manufacturing process
2. Learn about the automotive manufacturing process
3. Plan your own automotive manufacturing process
4. Manufacture a set of vehicles
5. Share your automotive manufacturing process

When you've earned this badge, you'll know how vehicles are manufactured in a factory. You'll also know how to make and test products for people to buy.

I earned this badge!

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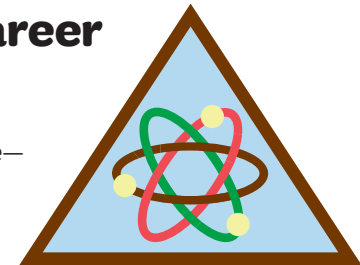
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Brownie STEM Career Exploration

Find out how all the things you love—like camping, baking, and walking your dog—can become a job that changes the world. Then create a plan to turn your dreams into a reality!



1. Explore your interests
2. Discover the possibilities
3. Learn about the day-to-day
4. Brainstorm your next steps
5. Share your goals

When you've earned this badge, you'll know how you can use STEM to help others.

I earned this badge!

Use the space below to reflect on this badge. Write about it, draw a picture, or even paste in a photo!

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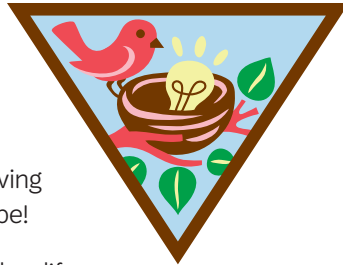
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Budding Entrepreneur

Become an entrepreneur by making something, testing it out, and improving your idea to make it the best it can be!



1. Come up with an idea that makes life better
2. Share your idea with others to get feedback
3. Improve your idea
4. Share how your idea works
5. Pitch your idea to an audience

When you've earned this badge, you will have come up with an idea for something that solves a problem, gotten feedback on it, and pitched it to others—all things that entrepreneurs do!

I earned this badge!

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Democracy for Brownies

Find out how people in the government decide what rules are made and how they are followed.



1. Find out about local government
2. Find out about state government
3. Find out about our country's legislative branch
4. Find out about our country's executive branch
5. Find out about our country's judicial branch

When you've earned this badge, you will know the three branches of government—and some of the things they are responsible for.

I earned this badge!

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Cookie Entrepreneur Family Brownie Pin



Have fun with your family as you earn this award while running your Girl Scout Cookie® business.

1. Go for the goal
2. Find more customers
3. Be a money master
4. Make your pitch
5. Think like a Girl Scout

For the full requirements and activity sheet visit [girlscouts.org/entrepreneurfamily](https://www.girlscouts.org/entrepreneurfamily).

I earned this pin!

- Year 1
- Year 2

Reflect on your favorite memory of selling Girl Scout Cookies with help from your family. Write about it, draw a picture, or even paste a photo!

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