


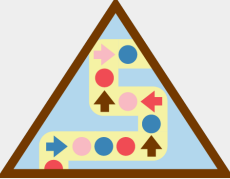



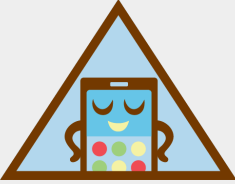

## My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Automotive 1: Design</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Find out how automotive designers come up with ideas for new vehicles. Then, take the wheel and design your own!</p> <ol style="list-style-type: none"> <li>1. Explore how people move from place to place</li> <li>2. Discover design criteria</li> <li>3. Choose your vehicle's design criteria</li> <li>4. Sketch a vehicle to meet your criteria</li> <li>5. Sculpt and share your vehicle</li> </ol> <p>When you've earned this badge, you'll know how to design, sketch, and sculpt a vehicle.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Automotive 2: Engineering</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Get in gear and explore how automotive engineers build vehicles. Then, engineer your own model of a vehicle to help people during an emergency!</p> <ol style="list-style-type: none"> <li>1. Learn about simple machines in vehicles</li> <li>2. Engineer a vehicle for safety based on criteria</li> <li>3. Build a vehicle prototype</li> <li>4. Test and revise your vehicle prototype</li> <li>5. Share your vehicle prototype and testing results</li> </ol> <p>When you've earned this badge, you'll know how automotive engineers plan, build, test, and improve vehicles.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Automotive 3: Manufacturing</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Experience the importance of having a plan and discover how manufacturers build lots of vehicles that are safe and well made!</p> <ol style="list-style-type: none"> <li>1. Experience the manufacturing process</li> <li>2. Learn about the automotive manufacturing process</li> <li>3. Plan your own automotive manufacturing process</li> <li>4. Manufacture a set of vehicles</li> <li>5. Share your automotive manufacturing process</li> </ol> <p>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.</p> <p><a href="#">GET THIS BADGE</a></p>


## My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Brownie STEM Career Exploration</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>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!</p> <ol style="list-style-type: none"> <li>1. Explore your interests</li> <li>2. Discover the possibilities</li> <li>3. Learn about the day-to-day</li> <li>4. Brainstorm your next steps</li> <li>5. Share your goals</li> </ol> <p>When you've earned this badge, you'll know how to use STEM to help others.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Bugs</b></p> <p>Brownie (Grades 2-3) Outdoors STEM</p>	<p>Explore the world of bugs and learn more about these little creatures that do so much.</p> <ol style="list-style-type: none"> <li>1. Draw a bug poster</li> <li>2. Try a bug craft</li> <li>3. See bugs in action</li> <li>4. Explore bug homes</li> <li>5. Take a bug field trip</li> </ol> <p>When you've earned this badge, you'll know all about bugs.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Coding for Good 1: Coding Basics</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Find out how computer scientists write programs for computers to solve problems.</p> <ol style="list-style-type: none"> <li>1. Create algorithms for a computer that follow a sequence</li> <li>2. Use loops to improve your algorithm</li> <li>3. Use events to make things happen</li> <li>4. Learn about women in computer science</li> <li>5. Create your own set of commands that use events</li> </ol> <p>When you've earned this badge, you'll know how programmers write programs that make computers work and how people can use computers to help others.</p> <p><a href="#">GET THIS BADGE</a></p>

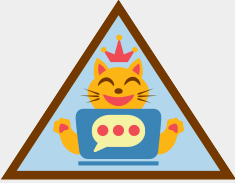

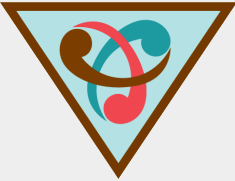
## My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Coding for Good 2: Digital Game Design</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Explore how video games can help people to learn new skills and experience new things.</p> <ol style="list-style-type: none"> <li>1. Discover how game design can be used "for good"</li> <li>2. Explore tools used to develop digital games</li> <li>3. Plan a maze game</li> <li>4. Build, test, and improve your maze game using iteration</li> <li>5. Share your game with others</li> </ol> <p>When you've earned this badge, you'll know how to think like a game maker and use iteration to plan, build, and test a game.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Coding for Good 3: App Development</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Design your own idea for an app that solves a problem for someone else.</p> <ol style="list-style-type: none"> <li>1. Discover how apps can be used for good</li> <li>2. Decompose the needs of your app user</li> <li>3. Design your app screens</li> <li>4. Create algorithms for your app that include events</li> <li>5. Share and improve your app with user feedback</li> </ol> <p>When you've earned this badge, you'll know about user-centered design and how computer scientists develop apps.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Computer Expert</b></p> <p>Brownie (Grades 2-3) Life Skills STEM</p>	<p>Find out what computers can help you do and learn to be a safe, secure computer expert.</p> <ol style="list-style-type: none"> <li>1. Paint or draw with an art program</li> <li>2. Find some cool facts</li> <li>3. Take a trip online</li> <li>4. Make a connection</li> <li>5. Have some computer fun</li> </ol> <p>When you've earned this badge, you'll know how to do many useful things on a computer.</p> <p>This badge comes in a packet that includes the Computer Expert, My Best Self, Dancer, Home Scientist, and My Family Story badges.</p> <p><a href="#">GET THIS BADGE</a></p>




## My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Cybersecurity 1: Basics</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Find out how you use technology and how you can keep your technology safe.</p> <ol style="list-style-type: none"> <li>1. Find out how you use technology</li> <li>2. Discover what your technology can do</li> <li>3. Find out how to create layers of security</li> <li>4. Find out how to use real-life safety rules when you go online</li> <li>5. Find out how messages travel on the internet</li> </ol> <p>When you've earned this badge, you'll know cybersecurity basics and understand the role technology plays in your life.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Cybersecurity 2: Safeguards</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Find out how to be safe when you go online.</p> <ol style="list-style-type: none"> <li>1. Create your identity</li> <li>2. Find out what information to keep private when you go online</li> <li>3. Find out how to share information safely online</li> <li>4. Find out why you have to be careful about who you trust online</li> <li>5. Test your knowledge of online safety rules</li> </ol> <p>When you've earned this badge, you'll know what information is private and how to share information safely.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Cybersecurity 3: Investigator</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Put on your detective hat and solve cyber crimes.</p> <ol style="list-style-type: none"> <li>1. Crack a code to solve a problem</li> <li>2. Investigate what's real and fake in photos</li> <li>3. Find out about digital footprints</li> <li>4. Investigate how a computer virus can spread</li> <li>5. Explore a cyber attack</li> </ol> <p>When you've earned this badge, you'll know how to use investigative skills to spot problems in the cyber world.</p> <p><a href="#">GET THIS BADGE</a></p>



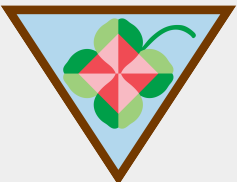
# My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Digital Leadership</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Find out how technology can help you to be a leader who teaches, inspires, and makes the real and digital worlds a better place.</p> <ol style="list-style-type: none"> <li>1. Explore your communities</li> <li>2. Discover your digital footprint</li> <li>3. Examine what's true and not</li> <li>4. Design a digital community</li> <li>5. Create content for change</li> </ol> <p>When you've earned this badge, you will know how to lead in the digital world. You'll know how to use technology to make the internet and world a better place.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Home Scientist</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Find out where science has been hiding in your home.</p> <ol style="list-style-type: none"> <li>1. Be a kitchen chemist</li> <li>2. Create static electricity</li> <li>3. Dive into density</li> <li>4. Make something bubble up</li> <li>5. Play with science</li> </ol> <p>When you've earned this badge, you'll be able to see the science all around you.</p> <p>This badge comes in a packet that includes the Computer Expert, My Best Self, Dancer, Home Scientist, and My Family Story badges.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Inventor</b></p> <p>Brownie (Grades 2-3) STEM Entrepreneurship</p>	<p>Find out how inventors make stuff-and become an inventor yourself!</p> <ol style="list-style-type: none"> <li>1. Warm up your inventor's mind</li> <li>2. Find lots of ways to solve the same problem</li> <li>3. Make a needs list</li> <li>4. Solve a problem</li> <li>5. Share your invention</li> </ol> <p>When you've earned this badge, you'll know how to think like an inventor.</p> <p><a href="#">GET THIS BADGE</a></p>

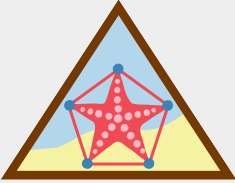

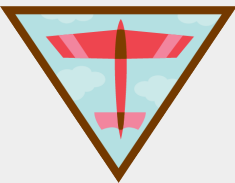
# My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Journey: Think Like a Citizen Scientist</b></p> <p>Brownie (Grades 2-3) STEM Journey</p>	<p>In this Journey, you will:</p> <ol style="list-style-type: none"> <li>1. Find out how citizen scientists make observations, collect data, and work with scientists to receive feedback on research.</li> <li>2. Do 3 citizen science activities: sharpen your observation skills through 2 observation games and a SciStarter project.</li> <li>3. Plan a Take Action project that helps others. If you're a Girl Scout volunteer, go to Volunteer Toolkit for complete meeting plans and activity instructions.</li> </ol> <p>Learn more about how to earn your Take Action Award - and help your community - with the <a href="#">Girl Scout Take Action Guide</a>.</p> <p><a href="#">Get This Journey</a></p>
 <p><b>Journey: Think Like a Programmer</b></p> <p>Brownie (Grades 2-3) STEM Journey</p>	<p>In this Journey, you will:</p> <ol style="list-style-type: none"> <li>1. Find out how programmers use computational thinking to solve problems.</li> <li>2. Do 3 computational thinking activities: find out about paper programming; create a functional suncatcher to explore algorithms, variables, and functions; and create a personal innovation to discover rapid prototyping. <a href="#">More Details →</a></li> </ol> <p>Learn more about how to earn your Take Action Award - and help your community - with the <a href="#">Girl Scout Take Action Guide</a>.</p>
 <p><b>Journey: Think Like an Engineer</b></p> <p>Brownie (Grades 2-3) STEM Journey</p>	<p>In this Journey, you will:</p> <ol style="list-style-type: none"> <li>1. Find out how engineers use design thinking to solve problems.</li> <li>2. Do 3 design thinking activities: design and build an assistive device, a water collection device, and a device that can launch a ball across a room.</li> <li>3. Plan a Take Action project that helps others. If you're a Girl Scout volunteer, go to Volunteer Toolkit for complete meeting plans and activity instructions.</li> </ol> <p>Learn more about how to earn your Take Action Award - and help your community - with the <a href="#">Girl Scout Take Action Guide</a>.</p> <p><a href="#">Get This Journey</a></p>

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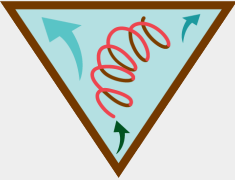
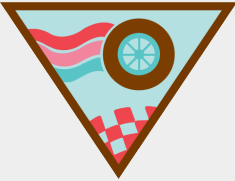
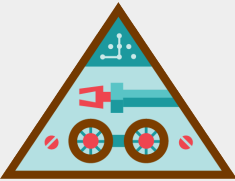
AWARD/BADGE	DESCRIPTION
 <p><b>Journey: WOW! Wonders of Water</b></p> <p>Brownie (Grades 2-3) STEM Journey</p>	<p>In this Journey, you will:</p> <ol style="list-style-type: none"> <li>1. Explore the wonders of water by find out more about its importance and how it's used around the world.</li> <li>2. Plan a Take Action project, such as making informative posters, promoting recycling at school, or planting low-water gardens.</li> <li>3. Earn 4 leadership awards: The LOVE Water Award, the SAVE Water Award, the SHARE Water Award, and the WOW! Award.</li> </ol> <p>If you're a Girl Scout volunteer, go to Volunteer Toolkit for complete meeting plans and activity instructions.</p> <p><a href="#">Get This Journey</a></p>
 <p><b>Making Games</b></p> <p>Brownie (Grades 2-3) STEM Entrepreneurship</p>	<p>Use your imagination to make up new games.</p> <ol style="list-style-type: none"> <li>1. Try a scavenger hunt</li> <li>2. Make up a mystery game</li> <li>3. Create a party game</li> <li>4. Change the rules</li> <li>5. Invent a whole new sport</li> </ol> <p>When you've earned this badge, you'll know how to create new games and share them with others.</p> <p>This badge comes in a packet that includes the Letterboxer, Pets, Making Games, Inventor, and Making Friends badges.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Math in Nature 1: Shapes in Nature</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Look carefully at nature, track what you see, and create art inspired by natural objects.</p> <ol style="list-style-type: none"> <li>1. Track natural objects</li> <li>2. Graph natural objects</li> <li>3. Make a spiderweb with symmetry</li> <li>4. Explore tessellations</li> <li>5. Collect data about birds</li> </ol> <p>When you've earned this badge, you will know about counting, graphing, symmetry, and tessellations. You'll also know about spiders, birds, and other natural objects.</p> <p><a href="#">GET THIS BADGE</a></p>

## My Award and Badge Explorer




AWARD/BADGE	DESCRIPTION
 <p><b>Math in Nature 2: Numbers in Nature</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Use your senses and other tools to gather information and learn about the natural world.</p> <ol style="list-style-type: none"> <li>1. Explore temperature</li> <li>2. Measure the length of leaves</li> <li>3. Graph your leaf data</li> <li>4. Find space to grow</li> <li>5. Plot and plant a garden</li> </ol> <p>When you've earned this badge, you will know how to measure temperature and length. You'll also know about square feet, diagrams, and grids. You'll have explored leaves and gardening.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Math in Nature 3: Design with Nature</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Use math to do things in the natural world, like find the age of natural objects, build a honeycomb, design a bird feeder, and go bird-watching.</p> <ol style="list-style-type: none"> <li>1. Calculate the age of a natural object</li> <li>2. Explore the shape of beehives</li> <li>3. Measure and build a bird feeder</li> <li>4. Use ratios to make bird food</li> <li>5. Graph data about birds</li> </ol> <p>When you've earned this badge, you will know about natural objects. You'll know how to measure, use scale and ratio, and make a graph.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Mechanical Engineering: Fling Flyer</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Work like an engineer to create a Fling Flyer, an airplane you'll make, and explore what keeps it and other things, such as birds, planes, and space ships, in the air.</p> <ol style="list-style-type: none"> <li>1. Learn about forces that affect flight</li> <li>2. Design and build a Fling Flyer</li> <li>3. Test your Fling Flyer</li> <li>4. Analyze and share your results</li> <li>5. Brainstorm ways to improve your design <a href="#">More Details →</a></li> </ol>



## My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Mechanical Engineering: Leap Bot</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Design, build, and test things like an engineer as you create your own Leap Bot.</p> <ol style="list-style-type: none"> <li>1. Learn about springs</li> <li>2. Build your Leap Bot</li> <li>3. Create a way to test how well your Leap Bot performs</li> <li>4. Record the results of your test</li> <li>5. Share your results</li> </ol> <p>When you've earned this badge, you'll have learned about engineering, gravity, and force by building and testing a Leap Bot. You will know how to build and test a new product.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Mechanical Engineering: Race Car</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Design, build, and test your own race car to explore how science can make a faster race car!</p> <ol style="list-style-type: none"> <li>1. Learn how design can affect speed</li> <li>2. Design and build your race car</li> <li>3. Design your racetrack</li> <li>4. Conduct a fair test and record results</li> <li>5. Share what you learned</li> </ol> <p>When you've earned this badge, you'll have designed a race car and a race track and carried out "fair tests" to learn how design affects speed.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Robotics 1: Designing Robots</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Team up with your fellow Brownies to design a robot. Plan, build, and share your robot prototype.</p> <ol style="list-style-type: none"> <li>1. Explore how robots imitate nature</li> <li>2. Learn about the parts of a robot</li> <li>3. Plan your robot</li> <li>4. Create a prototype</li> <li>5. Get feedback on your robot</li> </ol> <p>When you've earned this badge, you'll know how to plan, build, and share feedback like an engineer by creating a prototype of a robot that helps other people or animals.</p> <p><a href="#">GET THIS BADGE</a></p>

# My Award and Badge Explorer

AWARD/BADGE	DESCRIPTION
 <p><b>Robotics 2: Programming Robots</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Learn about the robot brain by engineering a machine that helps a robot to land</p> <ol style="list-style-type: none"> <li>1. Learn how robots work</li> <li>2. Discover the robot brain</li> <li>3. Learn about programming</li> <li>4. Try simple programming</li> <li>5. Code a robot</li> </ol> <p>When you've earned this badge, you'll know how to create a program that could be run by a robot.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Robotics 3: Showcasing Robots</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>After engineers build their robots, they show them to others and enter them into challenges and competitions.</p> <ol style="list-style-type: none"> <li>1. Create a presentation to share how you designed your robot</li> <li>2. Tell others how you designed your robot</li> <li>3. Learn about robotics competitions</li> <li>4. Learn about robotics teams</li> <li>5. See robots in action</li> </ol> <p>Note: Unlike the other Robotics badges, these steps include options. You may be able to complete multiple steps, particularly three through five, at once.</p> <p>When you've earned this badge, you'll know how to share your robot with others.</p> <p><a href="#">GET THIS BADGE</a></p>
 <p><b>Space Science Adventurer</b></p> <p>Brownie (Grades 2-3) STEM</p>	<p>Investigate the complexities of the sky as you learn to see things in a new way.</p> <ol style="list-style-type: none"> <li>1. Meet the neighbors</li> <li>2. See more than before</li> <li>3. Investigate the Moon</li> <li>4. Be a stargazer</li> <li>5. Celebrate and share</li> </ol> <p>When you've earned this badge, you'll know how to investigate the Sun, Moon, planets, and stars.</p> <p><a href="#">GET THIS BADGE</a></p>