

# **Girl Scout Badge Activities - ROBOTICS BADGES**

## **DAISY ROBOTICS**

1. Learn what Robots are
2. Learn what Robots do
3. Learn the Parts of a Robot
4. Design your own Robot
5. Learn how to Program a Robot
6. Build and Program a Robot

## **BROWNIE ROBOTICS**

1. Create a Simple Machine
2. Test your Robot Senses
3. Learn how to Program a Robot
4. Try Programming
5. Code a Robot
6. Explore how Robots Imitate Nature
7. Learn about the Parts of a Robot
8. Plan, Create a Prototype, and get Feedback on your Robot
9. Learn how to Showcase your Robot

## **JUNIOR ROBOTICS**

1. Learn how Robots Work
2. Discover the Robot Brain
3. Learn about and try Programming
4. Code a Robot
5. Discover the Future of Robots
6. Plan your Robot's Expertise
7. Create a Prototype
8. Get Feedback on your Robot
9. Learn how to Showcase your Robot

## **CADETTE**

1. Learn about Robots
2. Build a Robot's Simple Sensor
3. Experiment with Robot Sensors
4. Learn about Programming
5. Write a Program for a Robot
6. Pick a Problem a Robot might Solve
7. Explore Possible Solutions and Plan a Prototype Robot
8. Create a Prototype
9. Get Feedback on your Robot
10. Learn how to Showcase your Robot

## **SENIOR**

1. Learn about Robots
2. Build a Robot Arm
3. Learn how Robot Systems work Together
4. Learn about Programming
5. Write a Program for a Robot
6. Pick a Challenge a Robot might Solve
7. Explore Possible Solutions and Plan a Prototype Robot
8. Create a Prototype
9. Get Feedback on your Robot
10. Learn how to Showcase your Robot

## **AMBASSADOR**

1. Learn about Robots
2. Build a Motorized Robot
3. Explore how Robot Systems work Together
4. Learn about Programming
5. Write a Program for a Robot
6. Pick a Challenge a Robot might Solve
7. Explore Possible Solutions and Plan a Prototype Robot
8. Create a Prototype
9. Get Feedback on your Robot
10. Learn how to Showcase your Robot

**Call us to learn more about planning your Girl Scout Adventure with us – 845-357-3416**