

Ozobots Badges Guide

Level Key:

D = Daisy

B= Brownie

J = Junior

C = Cadette

S = Senior

A= Ambassador

Game Learning Badges

Mission to Mars

Levels: D, B

Program Description: Practice Ozocodes and free drawing as Ozobots race on a game board.

Badge(s): Daisy Board Game Design Challenge, Brownie Making Games Badge

Mission to Neptune

Levels: B, J, C

Program Description: Practice Ozocodes and free drawing as Ozobots race on a mission to Neptune.

Badge(s): Brownie Making Games Badge, Junior Entertainment Technology Badge, Cadette Field Day Badge

Hungry, Hungry Ozobot

Level: D

Program Description: Collect as much food as you can for your Ozobot in this collaborative game.

Badge: Daisy Board Game Design Challenge

Trick or Treat

Levels: D, B, J

Program Description: Collect as many points as you can while trick or treating.

Badges: Daisy Board Game Design Challenge, Brownie Making Games Badge, Junior Entertainment Technology Badge

Art Badges

Ozobot Light Trails

Levels: B, J, C, S, A

Program Description: Code your Ozobot and use a camera to capture its light trail.

Badges: Junior Digital Photography Badge, Ambassador Photographer Badge

OzoArt

Levels: C, S, A

Program Description: Using various mediums, practice digital art with Ozobot.

Badges: Cadette Comic Artist Badge, Senior Collage Artist Badge, Ambassador Photographer Badge

Animal Badges

Modeling Animal Habitats

Levels: D, B, J

Program Description: Use modeling to demonstrate how an animal survives in its habitat.

Badges: Daisy Between Earth & Sky Journey, Brownie Pets Badge, Junior Animal Habitats Badge

Citizenship Badges

Immigration with Ozobot!

Level: B

Program Description: Study immigration through Ellis Island with this fun activity!

Badge: Brownie Celebrating Community Badge

Think Like An Engineer Journey

Create!

Level: D

Program Description: Practice engineering design by sketching ideas and building them.

The Snow Plow

Levels: J, C

Program Description: Use the Engineering Design Process to design and build a snow plow.

Ozobot Obstacle Course

Levels: B, J, C, S, A

Program Description: Choose from several challenges and work in teams to construct an Ozobot Obstacle Course.

Is There Life on Other Planets?

Levels: J, C

Program Description: Turn your Ozobot into a Martian Rover to detect life in space.

Future Burger

Levels: S, A

Program Description: Create an assembly line for a production company, using your Ozobot.

Get Moving Journey (Juniors)/Eco Badges

Clean Energy Cruise

Levels: D, B, J, C, S, A

Program Description: Explore different types of energy while working on your programming skills.

RecycleBOT

Levels: D, B, J

Program Description: Use Ozocodes to program Ozobot to pick up recyclables.

Think Like A Programmer Journey (Online)

Dorothy Vaughan & Fortran

Levels: C, S, A

Program Description: Discover the contributions of 1950s computer programmer Dorothy Vaughan while exploring the FORTRAN programming language.

Ozoblockly Dance Party

Levels: D, B

Program Description: Use a simple code to train your Ozobot to dance & film it on a green screen!

Ozobot Bit Morse Code Generator

Levels: S, A

Program Description: Produce a program that will blink in Morse code!

Robotics Badges

Ozobot Workshop 1

Levels: D, B, J, C, S, A

Program Description: Learn the basics of Ozobots OzoCodes.

Badges: Daisy What Robots Do Badge, B-A Programming Robots Badge

Ozobot Workshop 2

Levels: D, B, J, C, S, A

Program Description: Similar to Workshop 1 but a more detailed intro to Ozobots OzoCodes.

Badges: Daisy What Robots Do Badge, B-A Programming Robots Badge

Winter Scavenger Hunt

Levels: D, B, J, C, S, A

Program Description: Familiarize your group with OzoCodes by completing a fun worksheet.

Badges: Daisy How Robots Move Badge, B-A Programming Robots Badge

The Great OzoRace

Levels: D, B, J

Program Description: Use investigation techniques to discover mystery codes and use them to win the Great OzoRace!

Badges: Daisy How Robots Move Badge, B-J Programming Robots Badge

A Lesson in Randomness & Runs

Levels: S, A

Program Description: Learn how to control your robot's response at intersections.

Badges: S-A Programming Robots Badge

Space Badges

Mission to Mars

Level: J

Program Description: Practice Ozocodes and free drawing as Ozobots race on a game board.

Badge: Junior Space Science Investigator

Mission to Neptune

Level: J

Program Description: Practice Ozocodes and free drawing as Ozobots race on a mission to Neptune.

Badge: Junior Space Science Investigator

Is There Life on Other Planets?

Levels: S, A

Program Description: Turn your Ozobot into a Martian Rover to detect life in space.

Badges: Senior Space Science Expert, Ambassador Space Science Master

Dorothy Vaughan & Fortran (Online)

Level: A

Program Description: Discover the contributions of 1950s computer programmer Dorothy Vaughan while exploring the FORTRAN programming language.

Badge: Ambassador Space Science Master

Eclipses and Celestial Mechanics

Levels: D, B, J

Program Description: Learn how programming helps us model movements of bodies in our solar system.

Badges: Daisy Space Science Explorer, Brownie Space Science Adventurer, Junior Space Science Investigator

Space Exploration

Levels: C, S, A

Program Description: Design a game board with events in the history of space exploration.

Badges: Cadette Space Science Researcher, Senior Space Science Expert, Ambassador Space Science Master