Welcome!
We'll get started soon.

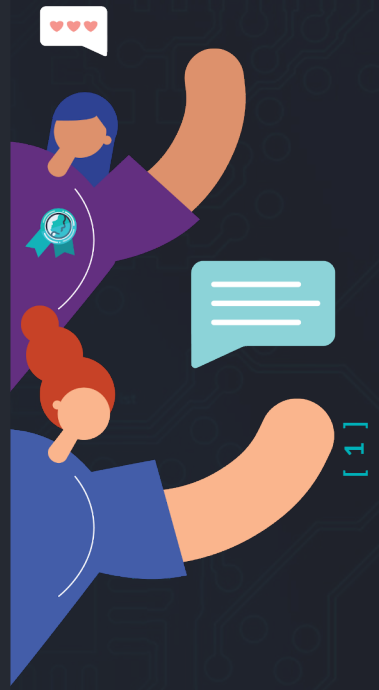
In the meantime, introduce yourself in the Chat

Tip: select "All Panelists and Attendees" in the Chat drop-down

Ozobot 101

Creating the future of education

4 pm PST/ 7PM EST



Today's Presenters

Melissa Toohey

EdTech & Adoption Specialist

Former Founding Coding, Engineering, and Design Thinking Teacher at KIPP Ignite, Computer Science Coach, & K-1 Teacher UCLA Educational Leadership Program, Ed.D

Diego Covarrubias

Account Executive (CA, CT, LA, OK, WV)

Ozobot Expert, STEAM Specialist, technology enthusiast.

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Former Founding Coding, Engineering, and Design Thinking Teacher at KIPP Ignite, Computer Science Coach, & K-1 Teacher UCLA Educational Leadership Program, Ed.D

Heather Myers

Account Executive (PA, OH, AZ, OR, ID, NE, NM, MN, MO, ND, SD)

Mama of 3, bookworm, & wordsmith. Ozobot team member for 4.5 years.

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Agenda

1

Housekeeping

2

Intro to Ozobot

3

2 Ways to Code Demo

4

Remote-Friendly Lessons

5

Q & A

6

Ozobot Giveaway

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Housekeeping

Slides will be available after the webinar:

- Email
- YouTube
- Webinar page

- Everyone is on mute and your camera is off
- Join the conversation!
  - Q & A
    - Ask questions you'd like the panelists to answer
    - Upvote & comment on one another's questions with your own insights!
  - Chat
    - Select "All Panelists and Attendees"
    - Start a dialogue!
- Ozobot staff members monitoring

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Giveaway!

Win an Educator Entry Kit

Enter at: ozo.bot/giveaway

- Limit 1 entry per attendee
- Winner announced at end of webinar

Poll Questions

3-5 min

Why robotics?

Computer Science

9 out of 10
parents want their kids to learn CS

Source: Gallup

Hands-On STEAM Learning

Increase engagement

Boost retention up to **75%**

Source: Education Corner

Future-Ready Skills

65%
of elementary students will have jobs that don't exist yet

Source: World Economic Forum

Social-Emotional Wellbeing

"When I place a robot in front of a learner, what I see on their face is **joy!**

– Ozobot Certified Educator

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- What is Ozobot?

A robotic platform that makes it simple to teach coding and STEAM and integrate them into all subjects

Trusted in **30K+** K-12 Schools

95% of users report increased engagement

2014
Ozobot

2015
Bit

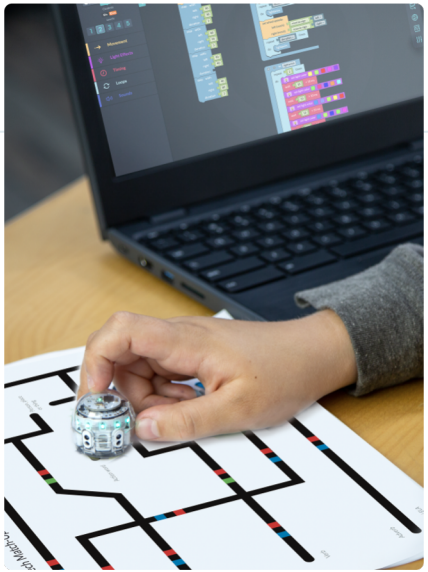
2017
Evo

2019
Ozobot Classroom

How It Works

1-Inch Robots

Bluetooth-enabled with programmable parts



2 Ways to Code

Screen-free with colors, on screens with blocks

500+ K-12 Lessons

For content integration and tracking student progress

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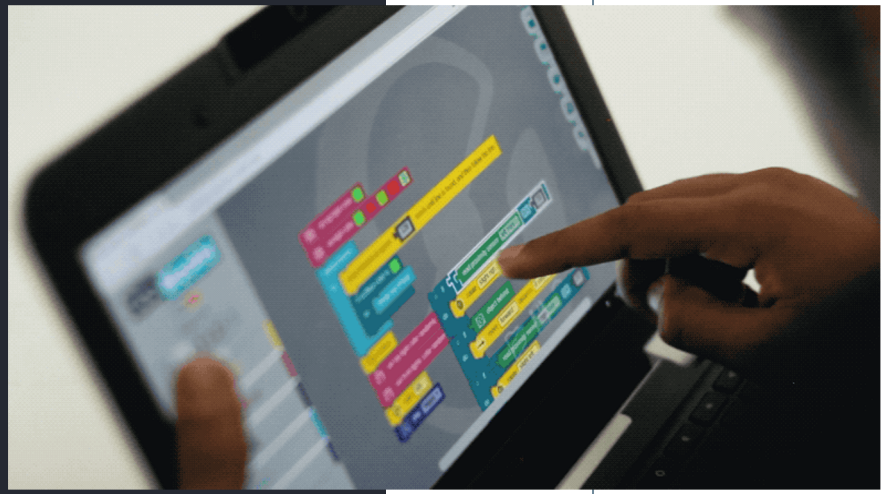
2 Ways to Code

Screen-free with colors



On screens with blocks

For teacher training:

- Sign up at classroom.ozobot.com
- Select Bot Camp

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2 Ways to Code = Flexibility

All grade levels

K-12

All subjects

74%

of users teach core subjects with Ozobot

Standards: CCSS Math/ELA, ISTE, CSTA, NGSS, & more

All learning styles

Journal of Autism Spectrum Disorders study – effective for engaging students with **ASD**

+ In person, remote, hybrid instruction

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Learn Anywhere Lesson Overview

- 2nd-8th Grade lessons
- Recommended pacing: 1 lesson per week
- 30-45 Minute Activities
- Math, ELA, Science, and CSTA/ISTE standards aligned
  - Each lesson will be aligned with
    - 1 ISTE Standard
    - 1 CSTA Standard
    - 1 Content Standard

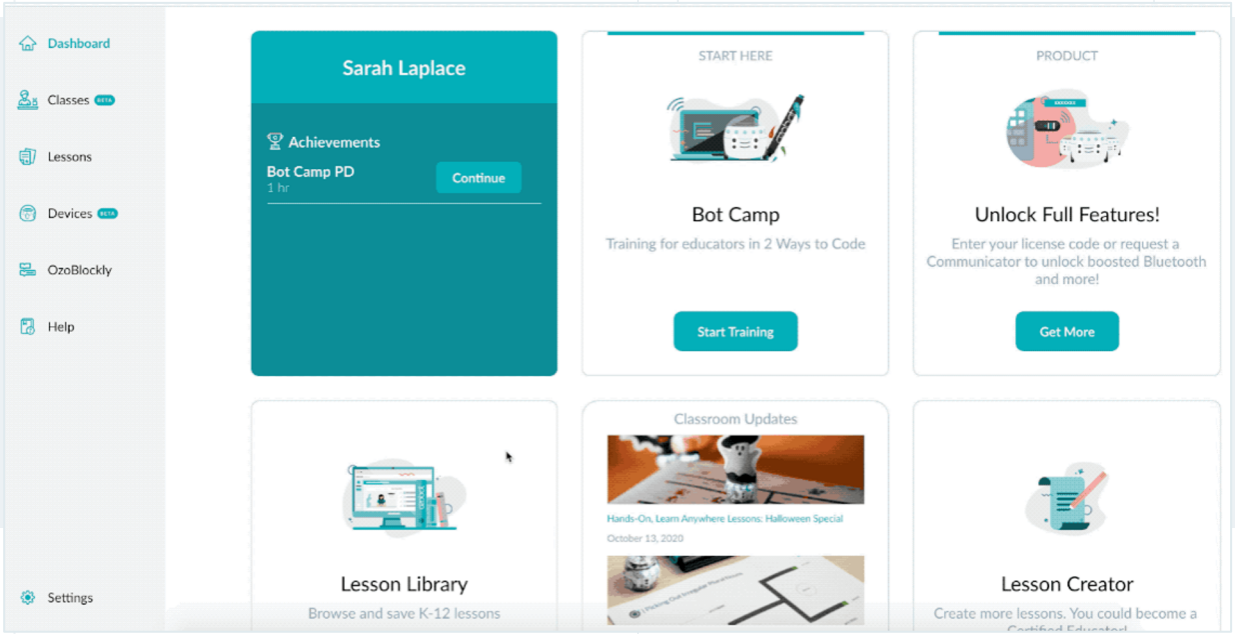
Learn Anywhere Lessons include:

- Synchronous Lesson Plan
- Instructional Video
- Student Activity Guide
- Student Activity Sheets
- Teacher Answer Key/Potential Solution

classroom.ozobot.com/lessons

Lesson Library

ozobot Classroom



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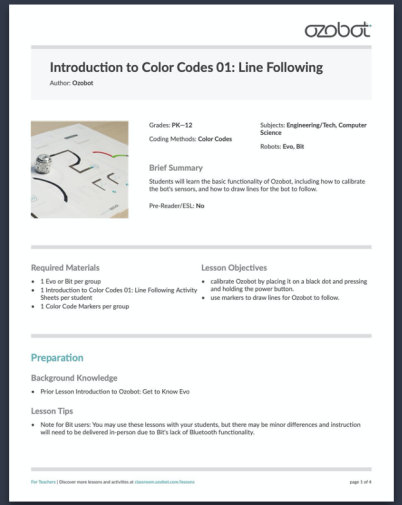
What's in a Learn Anywhere Lesson?



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Introduction to Color Codes 01: Line Following

Author: Ozobot

Grades: PK–12
Coding Methods: Color Codes
Subjects: Engineering/Tech, Computer Science
Robots: Evo, Bit

Brief Summary

Students will learn the basic functionality of Ozobot, including how to calibrate the bot's sensors, and how to draw lines for the bot to follow.

Pre-Reader/ESL: No

Required Materials

- 1 Evo or Bit per group
- 1 Introduction to Color Codes 01: Line Following Activity Sheets per student
- 1 Color Code Markers per group

Lesson Objectives

- calibrate Ozobot by placing it on a black dot and pressing and holding the power button.
- use markers to draw lines for Ozobot to follow.

Preparation

Background Knowledge

- Prior Lesson Introduction to Ozobot: Get to Know Evo

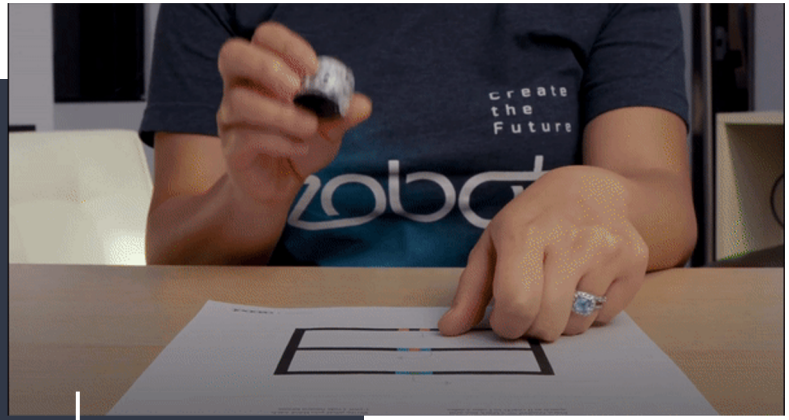
Lesson Tips

- Note for Bit users: You may use these lessons with your students, but there may be minor differences and instruction will need to be delivered in-person due to Bit's lack of Bluetooth functionality.

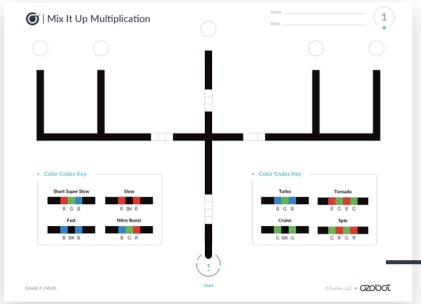
For Teachers | Discover more lessons and activities at classroom.ozobot.com/lessons

page 1 of 4

Standards-Aligned Lesson Plans for Synchronous and Asynchronous Sessions

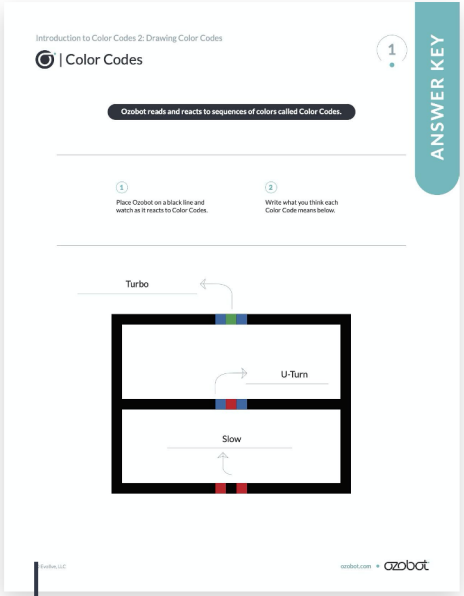


Instructional Videos for Self-Guided Learning



| Mix It Up Multiplication

Activity Sheets for Students



Introduction to Color Codes 2: Drawing Color Codes

| Color Codes

ANSWER KEY

Ozobot reads and reacts to sequences of colors called Color Codes.

1. Place Ozobot on a black line and watch as it reacts to Color Codes.
2. Write what you think each Color Code means below.

Turbo

U-Turn

Slow

ozobot.com + ozobot

Answer Keys/Sample Solutions

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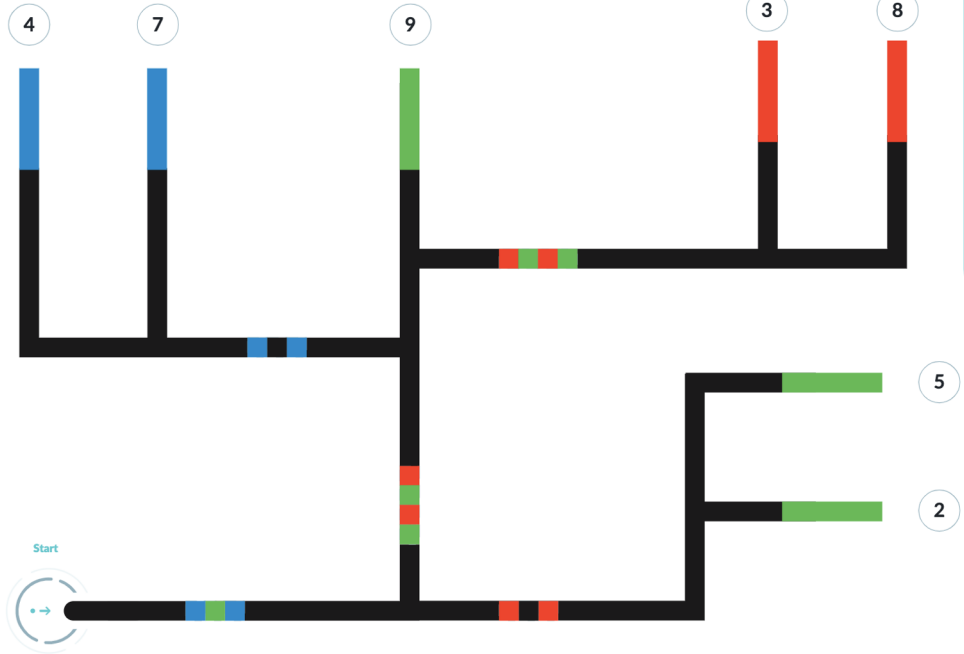
5th Grade Math

| Number Randomizing Map



SAMPLE SOLUTION

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Number Randomizer

| Place Value & Number Forms Worksheet

1

Random Number 1

Standard Form: 4 7 3 . 2 5 8

Word Form: four hundred seventy-three and two hundred fifty-eight thousandths

Expanded Form: 400 + 70 + 3 + 0.2 + 0.05 + 0.008

Random Number 2

Standard Form: 5 9 2 . 7 8 7

Word Form: five hundred ninety-two and seven hundred eighty-seven thousandths

Expanded Form: 500 + 90 + 2 + 0.7 + 0.08 + 0.007

Random Number 3

Standard Form: 8 4 8 . 2 9 8

Word Form: eight hundred forty-eight and two hundred ninety-eight thousandths

Expanded Form: 800 + 40 + 8 + 0.2 + 0.09 + 0.008

SAMPLE SOLUTION

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2nd Grade ELA

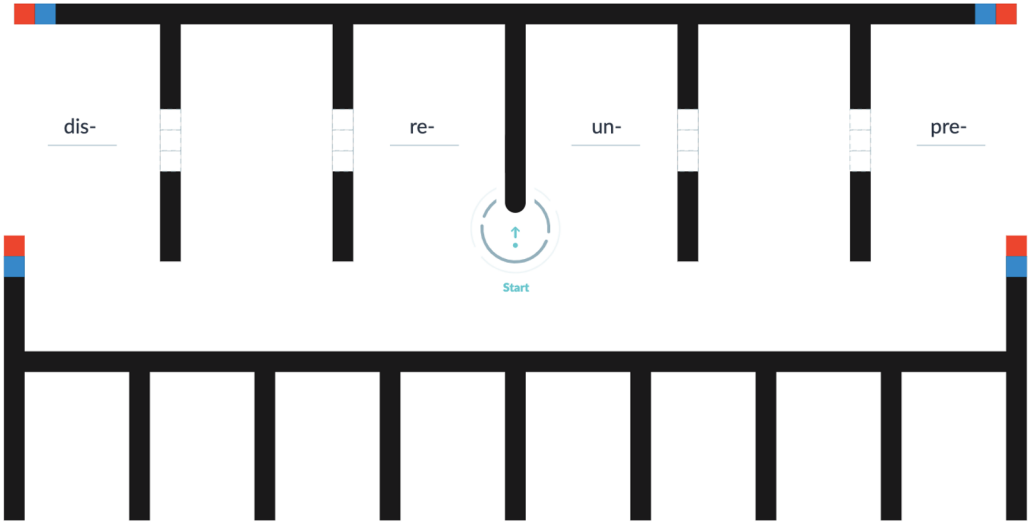
Random Prefix

| Prefix Chooser

Name: _____

Date: _____

1



like | happy | do | move | appear | heat | school | able | lucky

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Random Prefix

| Random Prefix Activity Sheet

Name: _____

2

Use your Ozobot to choose a prefix and a root to make a word. Decide if the word is one that is normally used. If yes, circle Y and write the meaning in the far right column. If no, add another prefix to the root to make a word that is normally used, then write the meaning in the far right column. Only write a prefix + root combination one time. If your bot chooses the combo again, go back to start and choose again.

	Prefix	+	Root	What does it make?	Is it a real word?	If no, use the root with a different prefix	What does the word mean?
1		+		=	Yes No		
2		+		=	Yes No		
3		+		=	Yes No		
4		+		=	Yes No		
5		+		=	Yes No		
6		+		=	Yes No		
7		+		=	Yes No		
8		+		=	Yes No		
9		+		=	Yes No		
10		+		=	Yes No		

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Create
the
Future
ozobot

All Grades STEAM + SEL

give

Sample Lesson Series:

Introduction to OzoBlockly 01: Basic Training
Introduction to OzoBlockly 02: Sequences
Introduction to OzoBlockly 03: Loops
Introduction to OzoBlockly 04: Conditionals
Introduction to OzoBlockly 05: Skills Check 1
Introduction to OzoBlockly 06: Variables
Introduction to OzoBlockly 07: Line Following
Introduction to OzoBlockly 08: Debugging
Introduction to OzoBlockly 09: Skills Check 2

Middle School Learn Anywhere Lessons

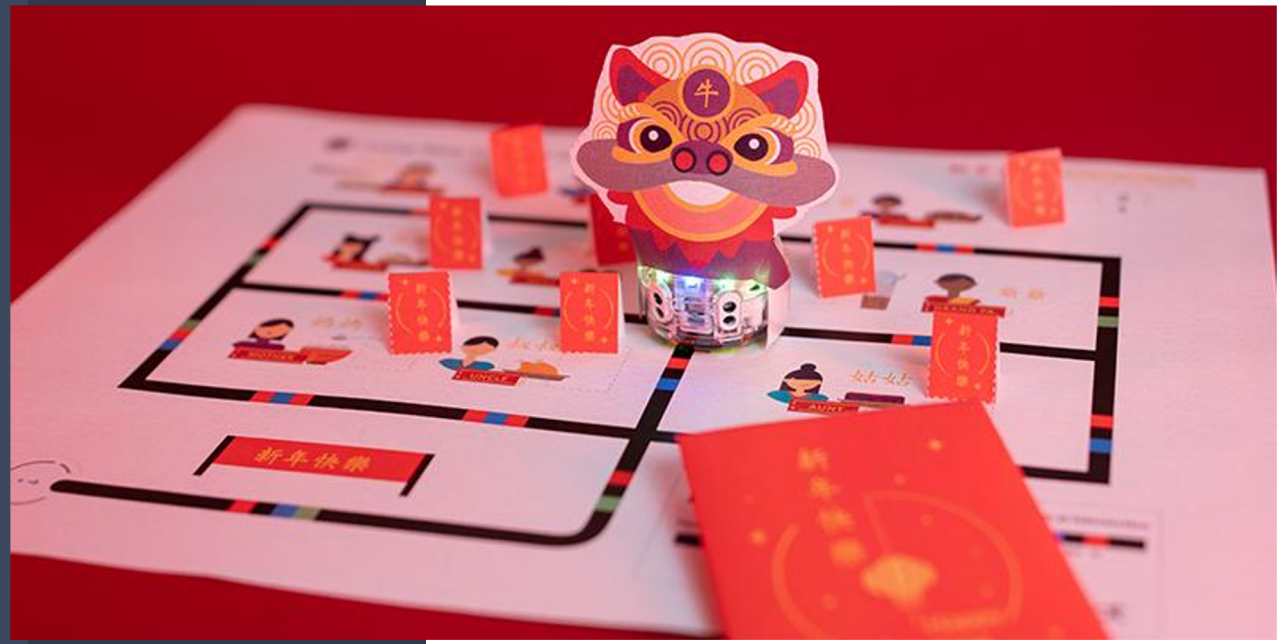
- Lesson Series
- Open-Ended Challenges
- Content-Integrated Lessons

Holiday & Seasonal Lessons

- Halloween
- Thanksgiving
- Kwanzaa
- Hanukkah
- Christmas
- Lunar New Year
- Black History Month
- ,.. And more!

classroom.ozobot.com/lessons

Lesson Library



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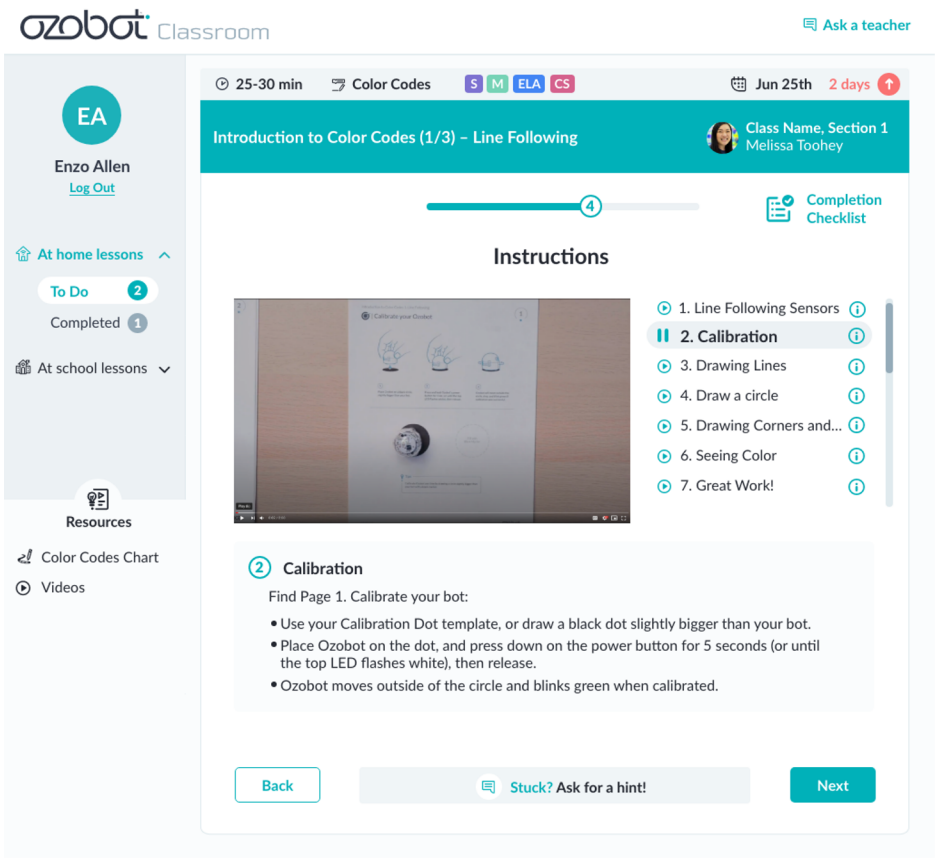
Accessibility for All

All Lessons include:

- Instructional Videos + Student Activity Guides
  - Chaptered Videos for Self-Pacing
  - Auditory and Visual Guidance
  - Text Instructions
- Address the tech gap
  - Learn core subjects + STEAM skills
- Any grade level, any skill level
- Color Code support for students with Color Vision Deficiency (CVD)

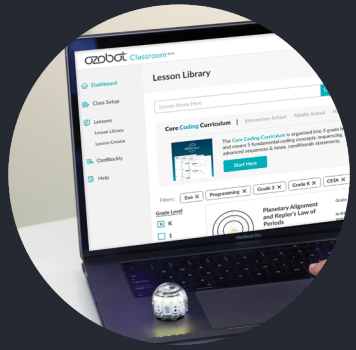


CARES Act Eligible
+ other federal & state initiatives!

Ozobot Hybrid Program

How it works:

1 - Each student gets an Ozobot



2 - Teachers access remote-friendly lessons, training, & PD

3 - Schools integrate coding & STEAM into all subjects, for all students

Request a quote at ozobot.com

Q & A

Wrap-Up

- Need bots? Request a demo or quote at ozobot.com
  - Try Ozobot free with OzoBlockly Challenges – ozobot.com/create/challenges
  - Get a free copy of the Ozobot Funding & Grants Tool – ozo.bot/funding
    - CARES Act info & letter template
    - Samples of successful grants
- Got bots? Get started with Ozobot Classroom:
  - Sign up at classroom.ozobot.com
  - Complete Bot Camp
  - Explore Lessons

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Giveaway!

Win an Educator Entry Kit

Email cassandra@ozobot.com

Be introduced to Ozobot Evo, a 1 inch robot programmable 2 Ways:

- Hands-on with Colors
- On-Screen with Blocks

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Thank You

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