Evo | Bit

ozobot edu

INFINITE Learning POSSIBILITIES

EDUCATOR'S **GUIDE**

ABOUT THE OZOBOT SYSTEM

Why Robotics in Your Classroom?

Build 21st century skills and bring digital concepts to life.

- Hands-on Experience
- Improved Learning Outcomes
- Collaboration
- Creative Thinking
- Problem Solving
- Computational and Sequential Thinking
- Spatial Relations

Why Ozobot?

TRUSTED
By education innovators in over 10,000 schools

GLOBAL
In over 50 countries around the worldwide

SIMPLE
One robot for all schools, subjects, and grades

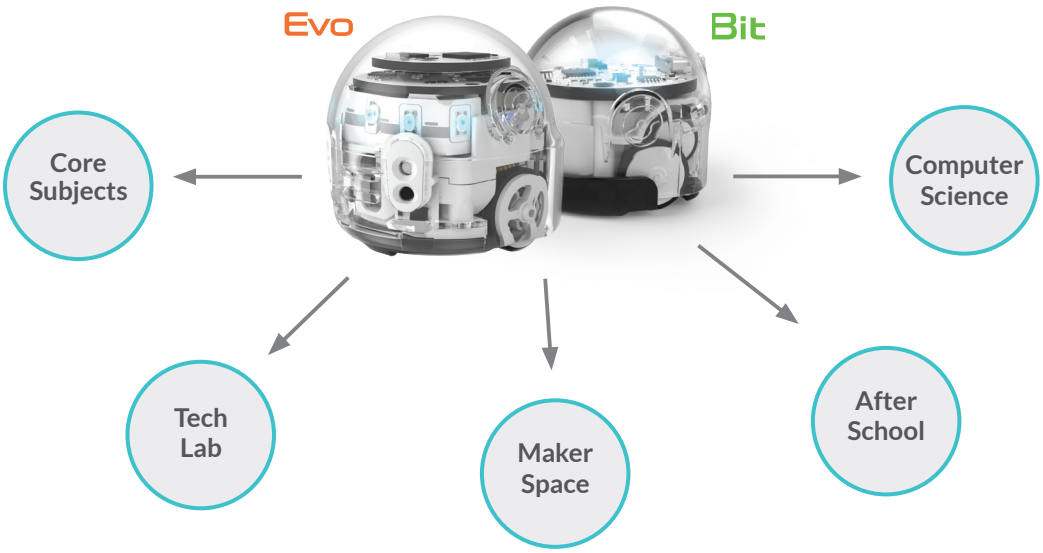
DESK-FRIENDLY
Fits any classroom type

Versatility Meets Power

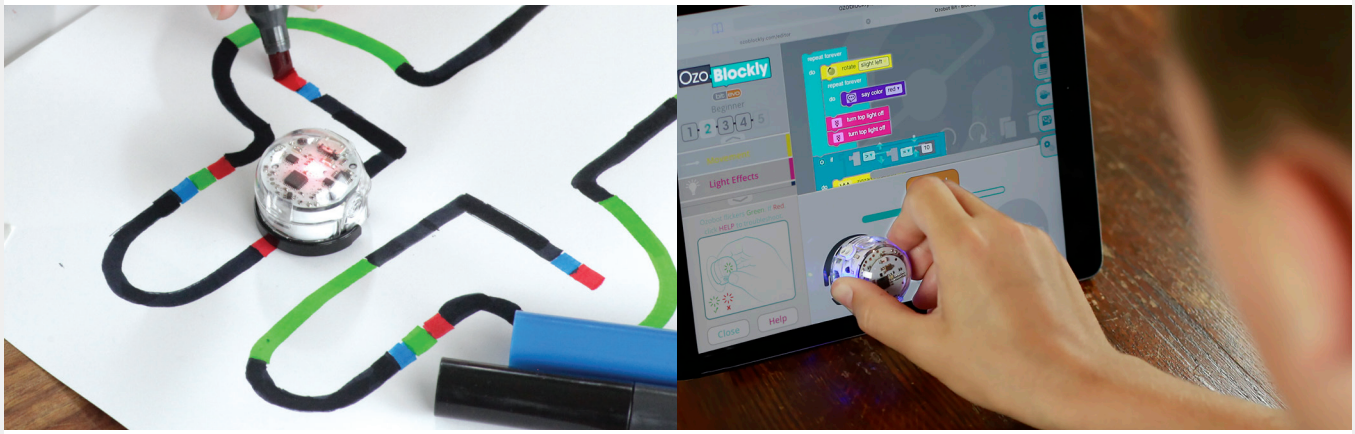
- Approachable for youngest coders
- Yet powerful enough for college students
- Screen-free coding, 5+ programming levels, bot-2-bot programming, and more

STEAM Made Simple

One desk-friendly system for all classroom types, subjects, and grades.



2 WAYS TO CODE: SCREEN-FREE OR ONLINE



Screen-Free with Color Codes

Draw lines and Color Codes with markers, and your bots follow along and execute your commands.

- Builds understanding of coding concepts like sequential thinking, syntax, and debugging
- Creative, easy-to-learn, and fun for coders at all levels

Online with the OzoBlockly Editor

Drag and drop blocks of code together to program your bots at ozoblockly.com.

- Builds conceptual foundation for all programming languages (logic, design, sequence, and syntax)
- Frees learners to focus on the creative side of coding without worrying about details of setup and syntax
- Levels for every learner, from pre-reader to advanced Computer Science (K-12 and beyond)

Built with Teachers' Needs in Mind

Lesson Library

Hundreds of hours of curriculum online and FREE!

Training Resources

Self-guided training courses, videos, webinars, phone and online support

Community

Certified Educators, Ozobot Ambassador sharing and support

Kyle Kitchen - EdTech and Makerspace Specialist

"It doesn't matter if you're beginning your coding journey or have been coding for years, the amount of problem solving, creativity and engagement that my students and myself have when coding with Ozobot is phenomenal."

MEET YOUR **BOTS**

One Robotics System: Two Options

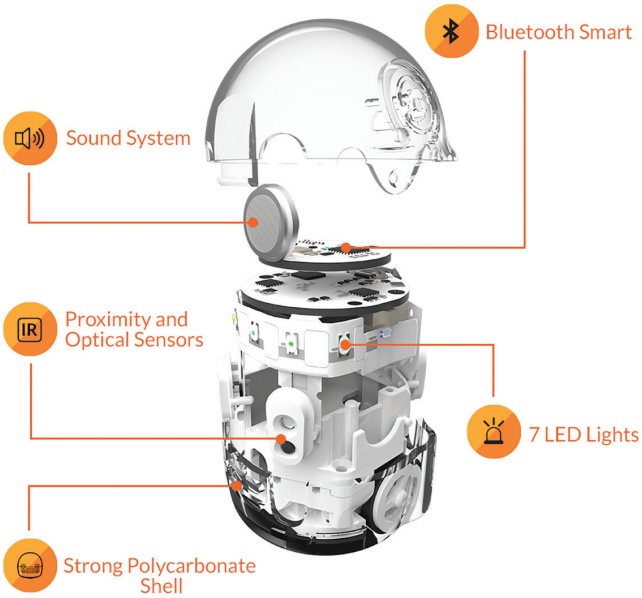
Evo

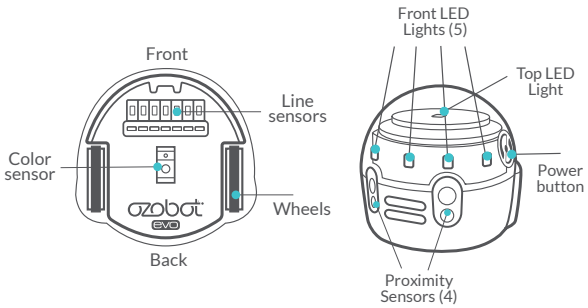
- Edu App for updates, allows Evo to grow with your students
- Programmable LED lights, optical sensors, and motor
- Plus programmable speaker and proximity sensors

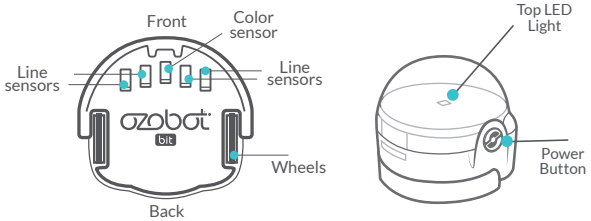
Bit

- The original, most affordable Ozobot
- Programmable LED light, optical sensors, and motor

Little Bots, Big Tech

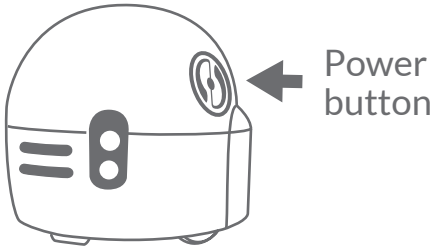






Control Through a Single Button

Power on/off or run programs stored in your bot's memory with a single button.



Single Click	Double Click	Press and Hold
Power On/Off	Run programs	Calibrate

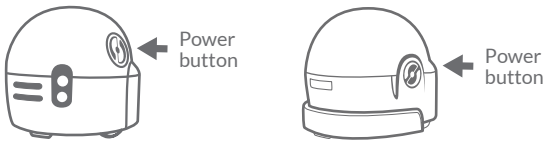
Classroom Kits

All the resources you need in one place. Easy to move from class to class so more students can experience hands-on learning with robotics. Choose the size kit and model that's right for you. See ozo.bot/classroom-kit

Amanda Taylor - Ed Tech TOSA K-12
"A lot of innovation in a small package...Ozobot offers an opportunity to get coding in every classroom regardless of content area or grade level."

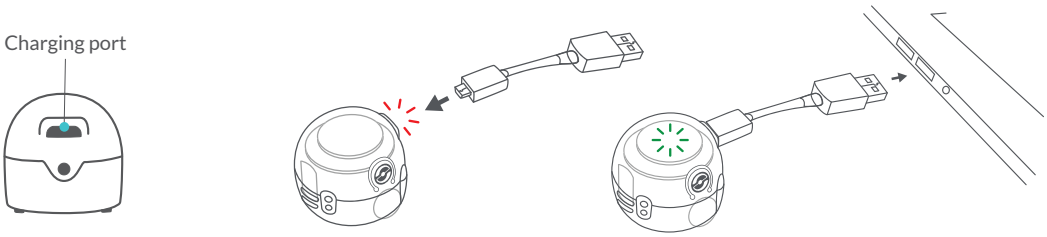
GETTING **STARTED**

1. Power on or off with a single click of the button.



2. Charge the battery.

If a bot's rear LED blinks red, then the battery needs to be charged. Plug the mini USB charging cable into a computer or multiport charger and plug your bot into the other end. LEDs turn solid green on a full charge. Allow up to 40 minutes to charge Bit and up to 60 minutes to charge Evo. Bots will last for 60-90 minutes between charging.

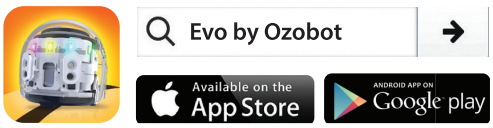


3. Get the App (Evo only).

Download Ozobot App to update and name your Evos and set to Classroom Mode.

Edu Updater Utility app. (for multiple Evos)

or



Evo app (to update or claim single Evos)

- **Updates:** Just like your smartphone, Evo updates improve functionality, introduce new features, and allow Evo to grow with students.
- **Classroom Mode:** mutes many of Evo's sounds and tricks, which are designed for play at home. Evos sold in Classroom Kits default to Classroom Mode.
- **Account Setup:** If you'd like to set up an account and name your Evos, use the Evo by Ozobot App and follow Account Setup steps. You can also create an account in the Profile section of the OzoBlockly editor (ozoblockly.com/editor), which is located in the right sidebar.

More info at: ozo.bot/eduupdates

TRAIN YOURSELF

Even if you have no experience with coding or robotics, Ozobot makes it easy for you to prepare yourself to lead your students.

Bot Camps

START HERE

Three quick, self guided courses to take you from student to teacher.
More info: ozo.bot/botcamp

Videos

Helpful demos on how to use Evo and Bit.
More info: ozo.bot/trainingvideos

Webinars

Select from a range of webinar topics by experience level, subject and grade. Or earn PD credits via live webinars. More info: ozo.bot/webinars

Speak to an Ozobot Edu Consultant

Our education consultants are here to help. Set up a 1-1 consultation at ozoedu@ozobot.com

Plan Your Class Session

1. Choose a lesson or activity from the Ozobot Lesson Library or Curriculum Guide.
2. Make sure your bots are charged (40-60 minutes).
3. Gather supplies: bots, paper, markers or computers/tablets, and accessories.
4. Plan your bot-to-student ratio. We recommend 1 bot for every 2 students for optimal hands-on collaboration.

More info and tips at: ozo.bot/planning-your-session

Ozobot Lesson Library

Hundreds of lesson ideas for learners at every level. Filter by grade, subject, and way to code.
More info: ozo.bot/lessons

Classroom Handouts

Jump-start your students with these easy handouts

- Tips: How to draw Color Codes with Ozobot: ozo.bot/colorcodetips
- Color Code Reference Sheet (Complete and Young Learners Versions): ozo.bot/colorcodesref
- Student Certificate: ozo.bot/certificate

K-12+ Curriculum Guide

Plan out a full year's curriculum and see how the Ozobot system offers options to grow with your students year after year. More Info: ozo.bot/curriculum-guide

CARE AND **MAINTENANCE**

Ozobot Troubleshooting

If you are having any problems with Evo or Bit:

1. Check to see if your bot is fully charged.
2. Calibrate your Evo or Bit. (Calibration orients Ozobot to the surrounding light and surface.) See calibration instructions at ozo.bot/educalibrate.
3. If you are using Evo, make sure you've updated your bots using the Edu Utility App or Evo App and set to Classroom Mode. See ozo.bot/eduupdates for more information.
4. We don't recommend using Bluetooth with multiple Evos in the same classroom because Bluetooth technology has connectivity limitations with multiple devices.

See ozo.bot/troubleshoot for more troubleshooting information.

Storage

While not in use, Ozobots should be placed in their carrying case or container. This container should be stored out of sunlight in a cool, dark place. When Ozobot is stored for long periods of time, leave the battery at medium charge, since high or low charge can hurt the battery.

Warranty

Evo and Bit are guaranteed for 12 months. Contact support@ozobot.com with questions.

Questions

Contact customer support with any questions at support@ozobot.com or 844-469-6268.

Accessories

Ozobot Edu offers a range of products and accessories to help you get the most of your bots.
More Info: ozo.bot/accessories

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