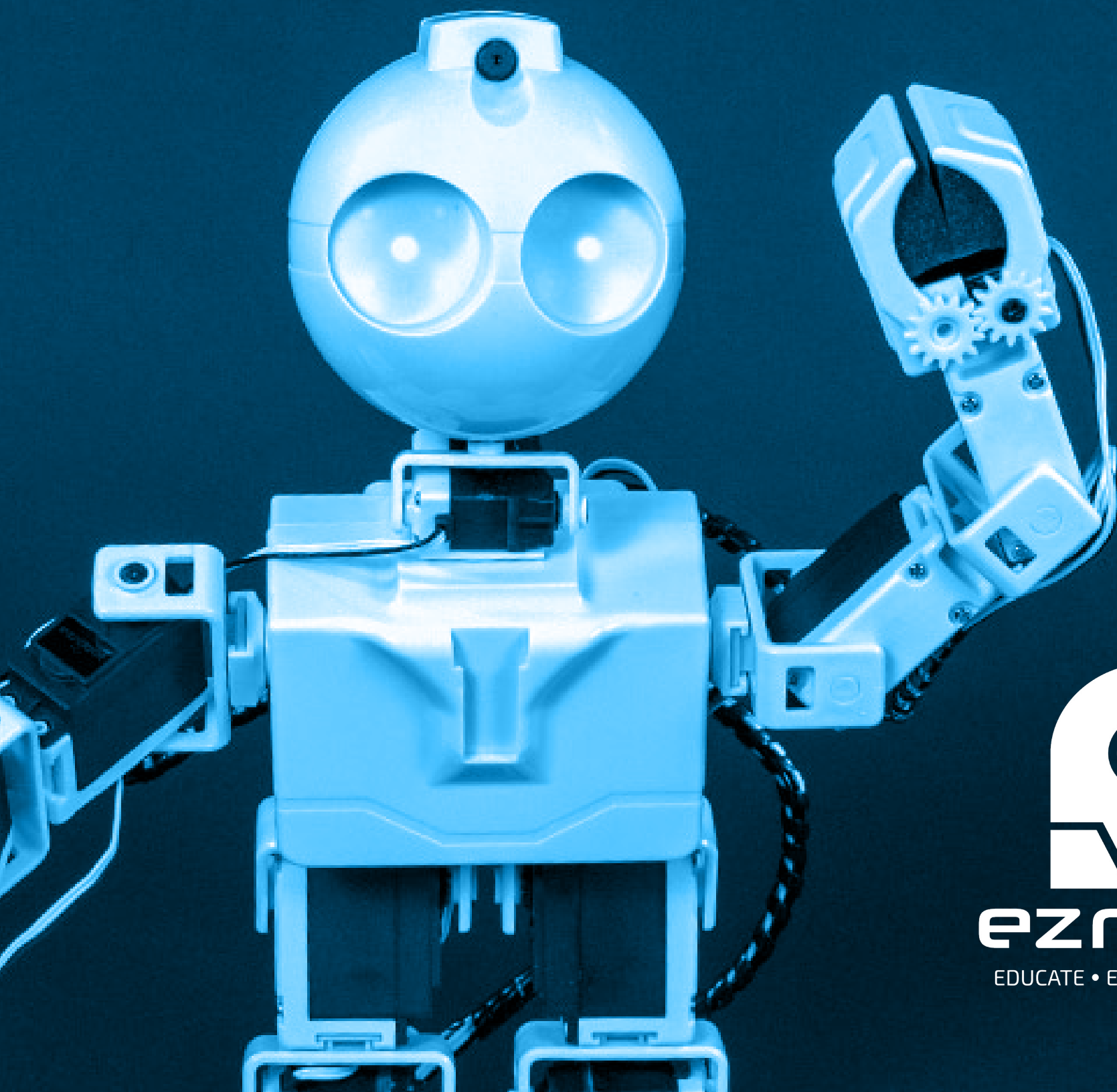




ezrobot

EDUCATE • ENGAGE • EMPOWER

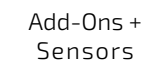
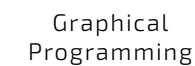
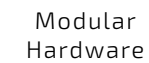
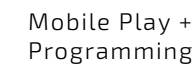
TEACHING EVERYONE TECHNOLOGY USING ROBOTICS FOR REAL-WORLD APPLICATIONS

- Machine Vision Learning
- Speech Recognition
- GAIT Movement
- Navigation
- Cloud Processing

STEM/STEAM
VR/AR
3D Printing
Programming & A.I.
Connectivity

- Home Automation
- Security Surveillance
- Disability Assistance
- Elderly Care
- Space Exploration

EZ-Robot is the world's most complete robot platform for STEAM education. Teach your students coding, computational thinking, and digital literacy using robotics. Develop student competencies in the STEAM classroom while integrating complex technologies such as facial recognition and machine learning. Our robots build student confidence as they evolve as critical thinkers and designers. Embed creativity in your classroom as students collaborate on real-world problem-solving. EZ-Robot empowers educators to train the next generation of innovators.



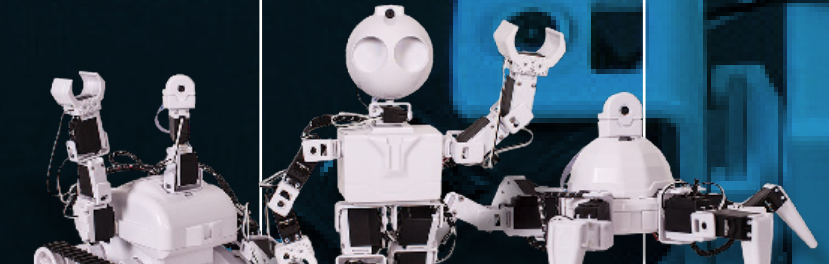
ELEMENTARY

MIDDLE SCHOOL

HIGH SCHOOL

POST-SECONDARY

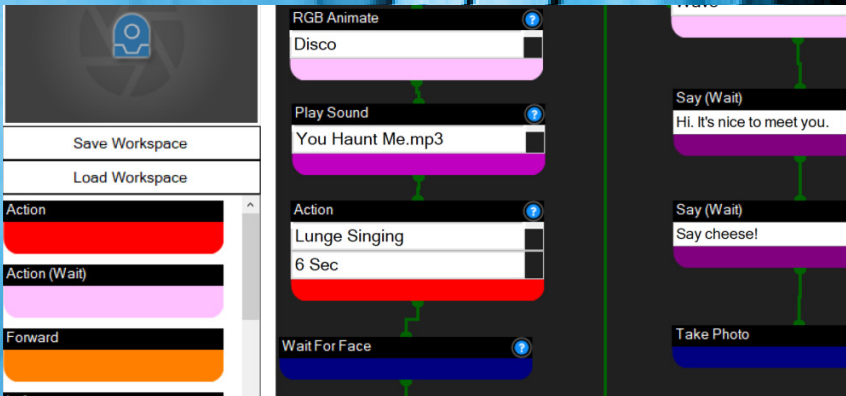
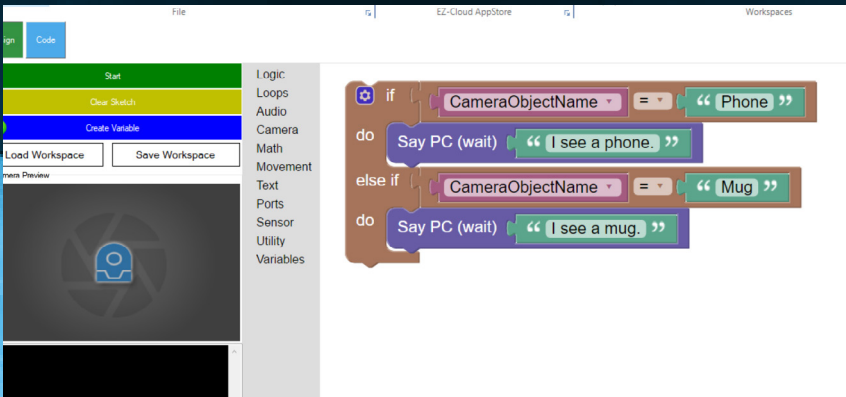
STEM CAREERS



EZ-ROBOT

Unlike other options in STEAM education, EZ-Robot grows with students' skills, encouraging lifelong learning for solving real-world problems. EZ-Robot is an edtech solution that supports teaching and inspires learning while building 21st century learner competencies that are applicable to actual career skills.

An Educational Roadmap



“This robot is well designed. I love the scaffolding and exploratory learning it can support!”

- Amber Hartwell, Teacher - Canada

BUILD

Follow 3D instructions to build robots with EZ-Bits, sensors and servo motors

EXPLORE

Explore built-in features and robot controls

ROBOSCRATCH

Learn introductory programming concepts through linear actions

BLOCKY

Develop logic and conditional programming skills with Google Blockly!

ANIMATION

Create animations to solve problems, choreograph dances, and more!

SPEECH RECOGNITION

Program speech recognition commands to control the robot with your voice

VISION

Use the robot's camera to detect faces, track colors and experience Microsoft Cognitive Artificial Intelligence

NAVIGATION

Use the camera & sensors to navigate mazes and follow lines

CREATE MOBILE APPS

Design custom mobile apps to control robots using phones or tablets

SYNTAX PROGRAMMING

Progress to syntax programming to script custom functions, conditions, and loops

3D PRINTING

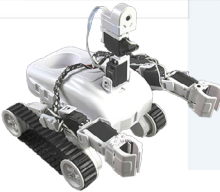
Modify, design, and print custom robot parts with built-in 3D printing support

CAREER PREP

Empower students as they graduate with valuable knowledge for careers in STEM fields

Product Feature Comparison

Not all robots are made the same! EZ-Robot provides students with more opportunities for learning and exploration.

	Computer Vision & Machine Learning	Used in STEM Designer	Mobile App Designer	Software					Modular Building	3D Printing
				Mobile	PC	SDK	App Store & Sharing	Plugins		
Dash & Dot				✓						
Sphero				✓						
Lego Mindstorms			✓ (Partial)	✓	✓				✓	
Vex					✓				✓	
EZ-Robot										
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

"Examining robots and coding today with EZ-Robot. 3 levels of coding for different abilities. Amazing!"

- **Laurel Beaton, Teacher, USA**

"I love the possibilities of having a robot to play with at home and in the classroom. It is cool to learn how to code and design parts for the EZ Robot. I think my robot needs a bowtie!"

- **The Nerdy Teacher**

What Are Students Learning?

EZ-Robot scales from approachable tools for beginners to complex, professional-level development for advanced learners.

	 EZ-Robot	Vex	Lego Mindstorms	Sphero	Dash & Dot	LittleBits	Makeblock
Building, Inventing & Sharing	✓	✓	✓			✓	✓
RoboScratch	✓						
Block Programming	✓	✓	✓	✓	✓		✓
EZ-Script	✓						
C++	✓	✓					
.NET & UWP	✓						
3D Printing & Design	✓						
Mobile App Development	✓						
Realistic Gaits & Moving Patterns	✓						
Vision Processing & Recognition	✓						
Machine Learning & A.I.	✓						
Speech Recognition	✓						
Add-ons & Sensors	✓	✓	✓			✓	✓

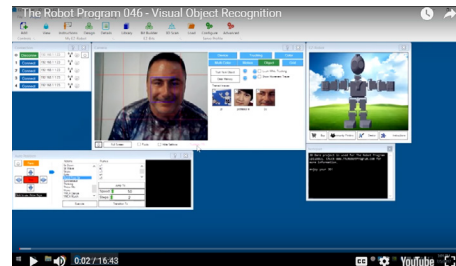


Learn with The Robot Program

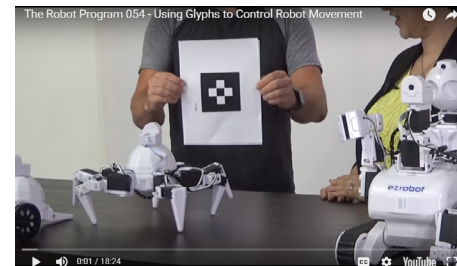
Our freely available educational series provides support for educators while teaching about robot features, applications, maintenance, and more. The Robot Program explores technological literacy through follow-along lessons and design challenges, from building robots to coding programs, from using artificial intelligence to implementing computer vision. Empower student confidence with Professor E and "The Robot Overlord" DJ Sures.



Create Robot Dance Moves



Recognize Faces and Objects with Machine Learning



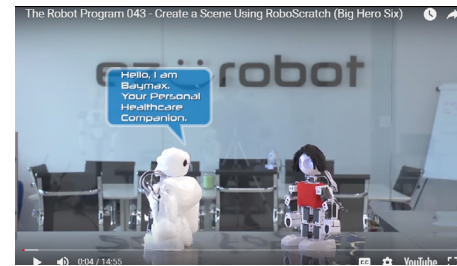
Use Sensors and Analyze Input



Follow Paths and Navigate Obstacles



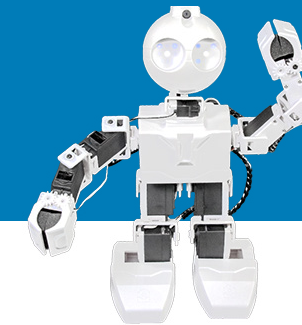
Design a Mobile App



Script Robot Interactions and Scenes

Explore our free robot courses and design challenges at www.ez-robot.com

MEET THE ROBOTS



JD Humanoid

Teach your students about technology while integrating interdisciplinary learning outcomes. JD offers scalable capabilities that grow with students as they learn to code with complex technologies such as object tracking, speech recognition, and machine learning. Students can program JD with custom movements, positions, dances, and even gymnastics! JD's RGB LED eyes can display countless expressions as students learn about human-robot interactions and practical applications.



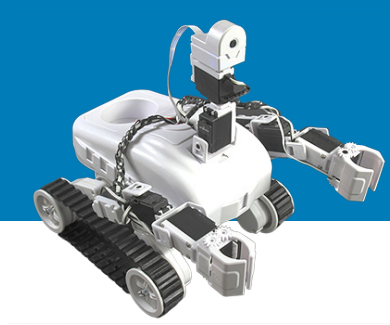
SIX Hexapod

SIX inspires teaching and empowers learning. SIX offers scalable capabilities that grow with students as they learn to code with complex technologies such as object tracking, speech recognition, and machine learning. With twelve joints for custom positioning, students can design their own movements, positions, and even multi-legged dances! Students can program navigation commands for real-world robotic applications.



AdventureBot

AdventureBot introduces robotics and technology into the classroom. AdventureBot offers scalable capabilities that grow with students as they learn to code with complex technologies such as object tracking, speech recognition, and machine learning. With a study frame and sleek profile, students can program AdventureBot to navigate and explore their surroundings while solving practical problems.



ROLI Rover

ROLI encourages lifelong learning and inspires creativity. ROLI offers scalable capabilities that grow with students as they learn to code with complex technologies such as object tracking, speech recognition, and machine learning. The rugged tread and programmable grippers make ROLI an ideal robot for collaborative problem-solving. Teach students about exploration and discovery with robots.

PRODUCT FEATURE COMPARISON

CLASSROOM APPLICATIONS	 JD Humanoid	 ROLI Rover	 SIX Hexapod	 AdventureBot
Graphical and scripted coding interfaces	✓	✓	✓	✓
Project sharing and flexibility through mobile application	✓	✓	✓	✓
Vision tracking and recognition with advanced camera	✓	✓	✓	✓
Speech recognition, music, and sound using integrated audio	✓	✓	✓	✓
Expanded applications through modular accessories and sensors	✓	✓	✓	✓
Positioning and angle calculations with servos	✓	✓	✓	
Navigation and obstacle avoidance	✓	✓	✓	✓
Lift and carry objects with grippers	✓	✓		
Pattern design and programming with RGB LEDs	✓			
Collaborative teamwork using holding tray		✓		



Inspire Learning and Grow Student Skills Using Robotics

EZ-Builder

The world's easiest and most powerful robot software that is used by both educators and industry experts! Scales effortlessly to accommodate all student levels, from block-based coding to a powerful SDK framework. EZ-Builder introduces features that will bring your robot to life by combining engineering and creativity.

EZ-Builder Mobile and AppStore

Program robots from an Android or iOS mobile device, phone or tablet. Students can create their own mobile application and share their work with others. EZ-Robot makes it simple to collaborate and master the world of robotics.

Sensors and More!

Cameras, distance sensors, dazzling RGB LEDs, servo-motors, grippers, accelerometers, compasses, and so much more! Students can customize robots with limitless upgrades using free activities provided by The Robot Program.

Curriculum and Activities

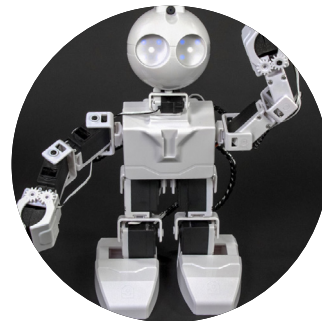
Freely available videos and online tutorials support teaching and expand professional learning practice. Engage students through hands-on activities and engineering design challenges while preparing them as future problem-solvers.

GROW AND DEVELOP WITH YOUR ROBOT!

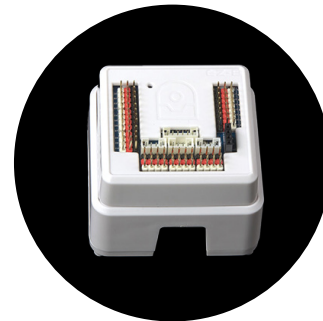
JD Humanoid Bundle

A bundle featuring five JD Humanoid robots, as well as accessories for replacements or modifications. JD is a humanoid robot that is approachable for students that are new to programming and robotics, yet powerful enough to offer challenging and engaging activities for advanced users. As JD has the widest range of features out of any ezrobot, the JD Humanoid Bundle is the perfect solution for classrooms that cater to students of varying age and skill levels. Starting with basic movements and actions, students can progress to include more advanced features such as color-changing eyes, choreographed dances, machine learning, and artificial intelligence! Suggested curriculum is included at no extra charge in the JD Educators Guide. To maximize learning outcomes, we recommend 2-3 students per robot.

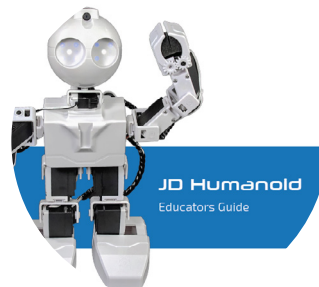
Includes:



JD Humanoid x5



Accessories

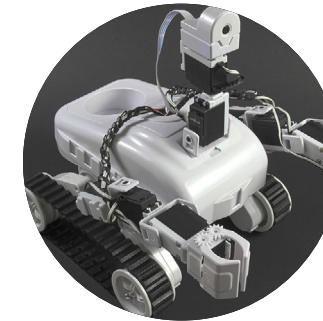


Educators Guide

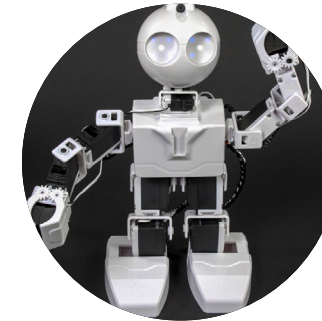
Education Bundle

A diverse bundle that promotes student engagement by offering three different robots to work with, as well as some accessories and parts for replacements or modifications. Featuring the JD Humanoid, SIX Hexapod, and ROLI Rover, the Education Bundle allows for more varied activities and provides options for students to apply their learning across multiple robots to explore the similarities and differences. All of the robots have similar basic programming options and utilize the same advanced camera for primary sensor input, meaning that programming lessons can be applicable across all models. Build collaborative activities and introduce your students to EZ-Robot technology with the Education Bundle! Suggested curricula for each robot are included at no extra charge in the robot Educators Guides. To maximize learning outcomes, we recommend 2-3 students per robot.

Includes:



ROLI Rover



JD Humanoid



SIX Hexapod

LEARNING MADE FUN



SCIENCE

- Formulate hypotheses
- Explore theories & ideas
- Record observations & data
- Identify & analyze trends
- Collaborate on solutions
- Discover through inquiry



TECHNOLOGY

- Abstract complex systems
- Develop a sequential process
- Design comprehensive tests
- Model & visualize information
- Verify outcomes
- Apply knowledge & skills



ENGINEERING

- Examine problem constraints
- Generate multiple ideas
- Analyze & compare ideas
- Develop & manage a plan
- Design prototypes & testing
- Reflect & refine solutions



ART

- Create original works
- Interpret & express theories
- Connect interdisciplinary ideas
- Engage responsible citizenship
- Communicate data & results
- Innovate authentic applications



MATHEMATICS

- Predict outcomes
- Determine & describe patterns
- Measure angles & movement
- Analyze position & motion
- Apply spatial transformations
- Represent expressions & data

STEAM & After School Packages

Learn about robots, and have fun doing it! In the classroom or at home, EZ-Robot has a big impact on STEAM education. With hundreds of tutorials, no questions are left unanswered. Our Developer Kit and IoTiny Robot Controller unlock the absolute potential of easy robotics, allowing students who wish to continue growing their skills the opportunity to custom-build a robot or automated device from the ground up. With these bundles, imagination becomes the only ceiling.

Products Include



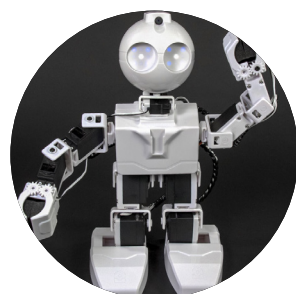
Developer Kit



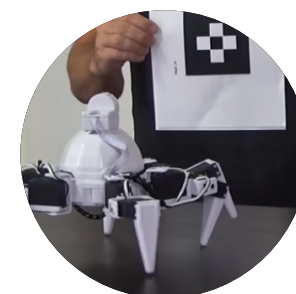
IoTiny



Add-ons & Sensors

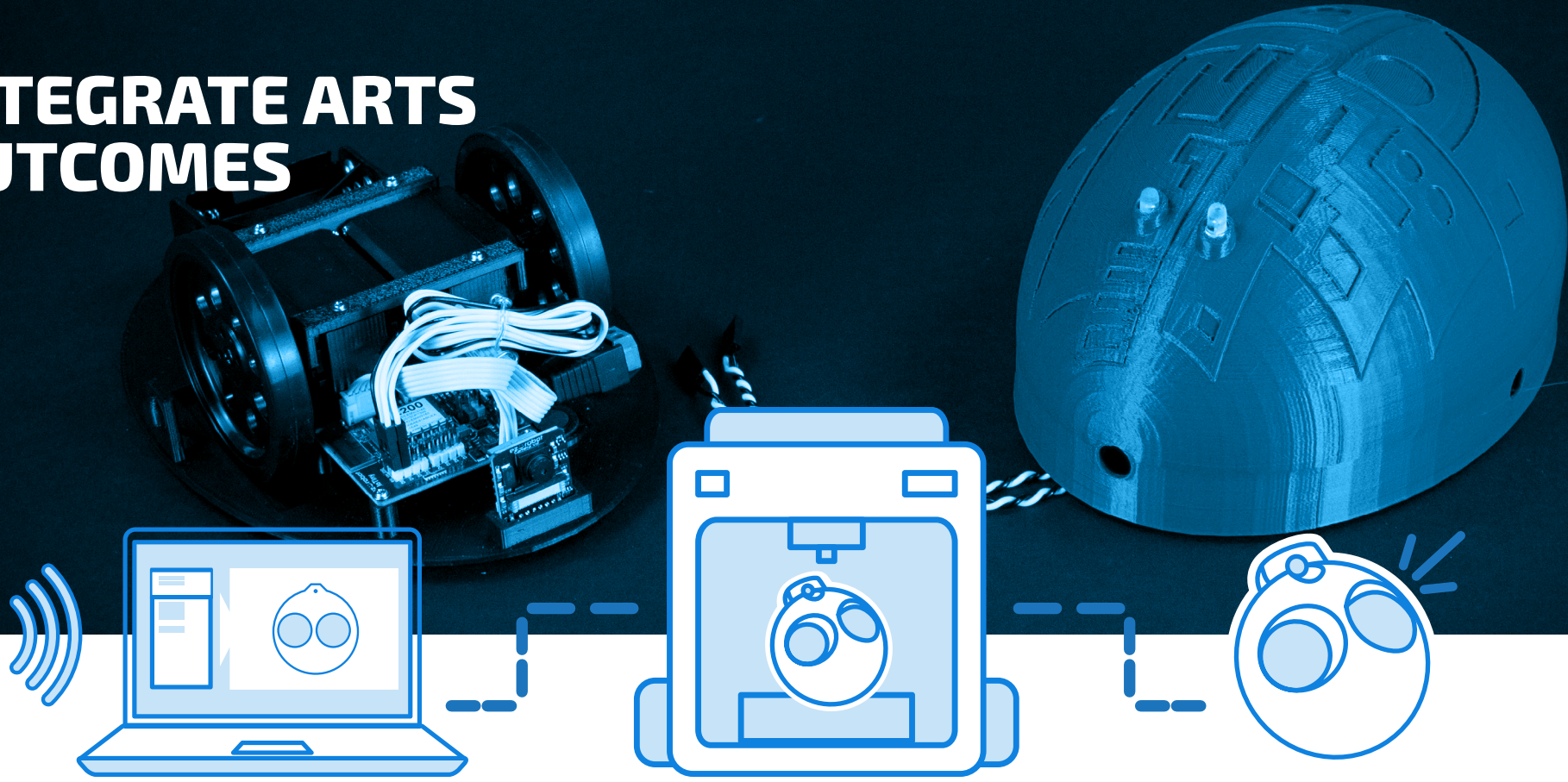


JD Humanoid



Pre-Developed Activities

INTEGRATE ARTS OUTCOMES



3D Print Robots in the Classroom

Integrate design, 3-D printing, electronics, and coding into your STEAM classroom with the Shell-E Innovation Kit. Student will develop as creative thinkers as they design a custom robot chassis and bring it to life using the powerful EZ-B IoTiny robot controller. Create authentic learning experiences as students learn to track and recognize objects with the advanced camera, along with other practical technologies including speech recognition, machine learning, and virtual reality experiences.



EZ-Robot Inc.

#10 6120 11 Street SE

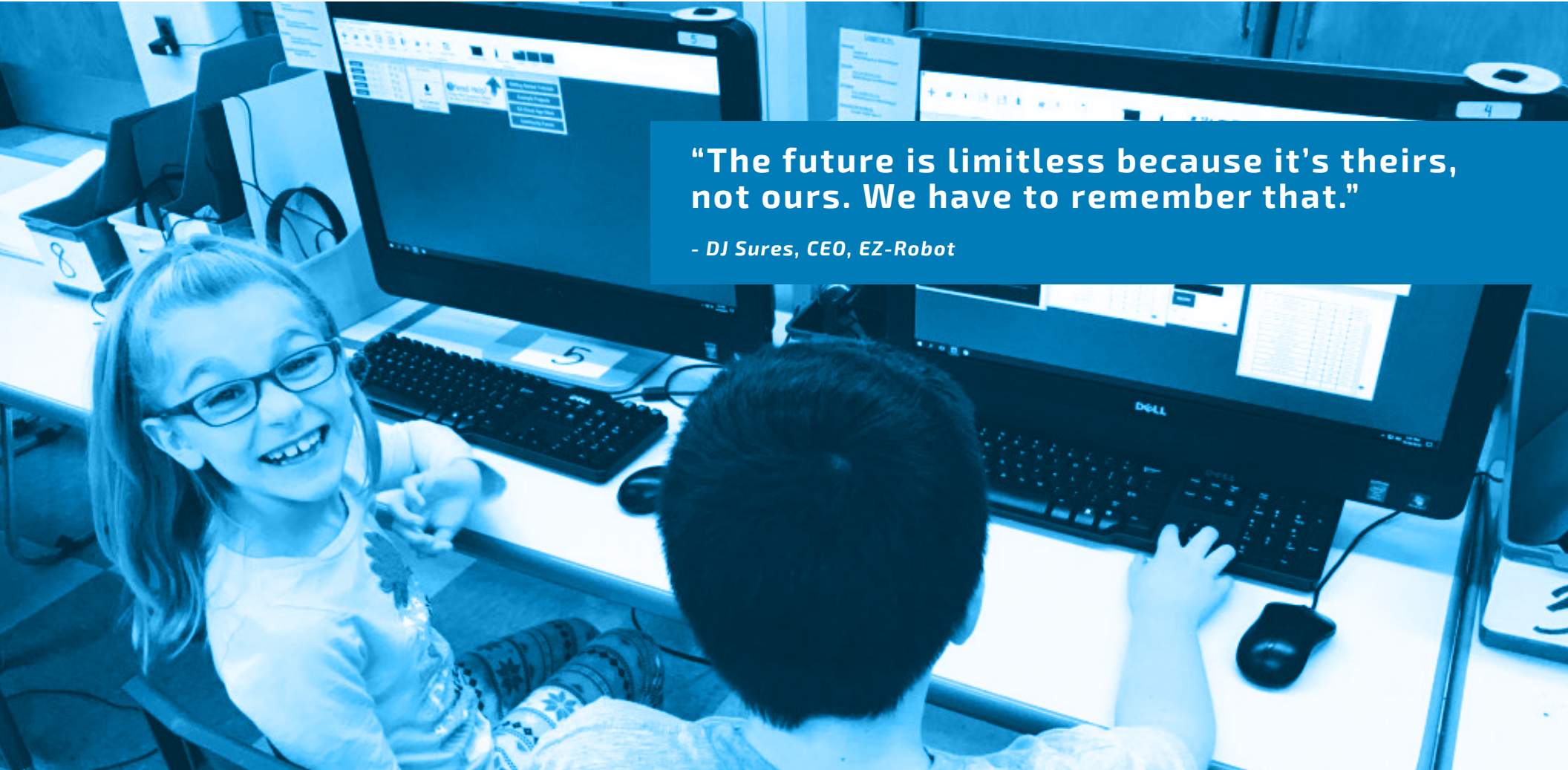
Calgary, Alberta, T2H 2L7

www.ez-robot.com



**"The future is limitless because it's theirs,
not ours. We have to remember that."**

- DJ Sures, CEO, EZ-Robot



Contact us for a free demo and learn about our education savings bundles!
sales@ez-robot.com