



# Teaching STEM, Coding, & Robotics

CoderZ is an innovative and fun learning platform for students worldwide to engage in robotics, computer science, and STEM while fostering 21<sup>st</sup> century skills. Using simulated 3D virtual robots, students learn Science, Technology, Engineering, and Mathematics and participate in challenging tiered missions that develop creativity, critical thinking, collaboration, and an appreciation for technology.

Entirely cloud-based, and requiring no specialized hardware or training, CoderZ is easy to implement, cost effective, and designed to empower any teacher to introduce STEM to their classroom. CoderZ makes STEM education accessible to all students, of all levels, at all schools and of all backgrounds.



**SIGN UP FOR A FREE TRIAL NOW!**



EQUITABLE



INCLUSIVE



ENGAGING



EASY TO IMPLEMENT

21<sup>st</sup> century skills that serve students for a lifetime

STEM skills that get students college & career ready



## STEM, Coding & Robotics

Students deserve a world-class experience that raises their spirits while raising their academic achievement. So whether you want to introduce coding and robotics to all of your students or enhance your existing programs, CoderZ brings an unparalleled teaching and learning experience.



### Low Floor, High Ceiling Pathway

CoderZ fits all levels and all types of schools. It introduces novices and experts to coding and robotics. Curriculum for coding novices based on Blockly through advanced CS who can program with Java and other languages.

### Designed to Engage

Students love the immediate feedback of the gamified missions and 3D robot simulation that guides them through engineering, computer science, math, and other STEM learning.

### Easy to Implement & Scalable

CoderZ is a cloud-based online program that runs in a Chrome web browser. Students can access the CoderZ experience in class, during after-school activities, and at home at any time of the day.

### Teacher Friendly

The program supports teachers with standards-aligned curriculum, dozens of courses, tutorials, challenges' solutions, and webinars to support professional development. The class management feature provides statistics per student and per class to see at a glance how your students proceed.

## Measurable Outcomes

- + Individualized learning missions for each student allow for pacing and intervention as needed
- + Progress-monitoring and skills tracking via formative assessments
- + Real-time reporting and analytics on individual, class, or organizational level

## Why CoderZ?

### Superintendent

A cost-effective way to ensure all of your students have access to world-class coding and robotics instruction.

### Director of Learning & Assessment; CAO

The one STEM platform for coding and robotics that has the ability to serve all students, at every level, in any teaching and learning environment.

### CIO; Technology Director

A safe, secure platform that is robust enough to scale quickly and efficiently.

### STEM Leader

Laser-focused on delivering the best ever STEM teaching and learning experiences that improve learning outcomes.

### CTE Leader

Designed specifically to build STEM-centered knowledge and life-altering skills that students will use for the rest of their lives.

### School Principal

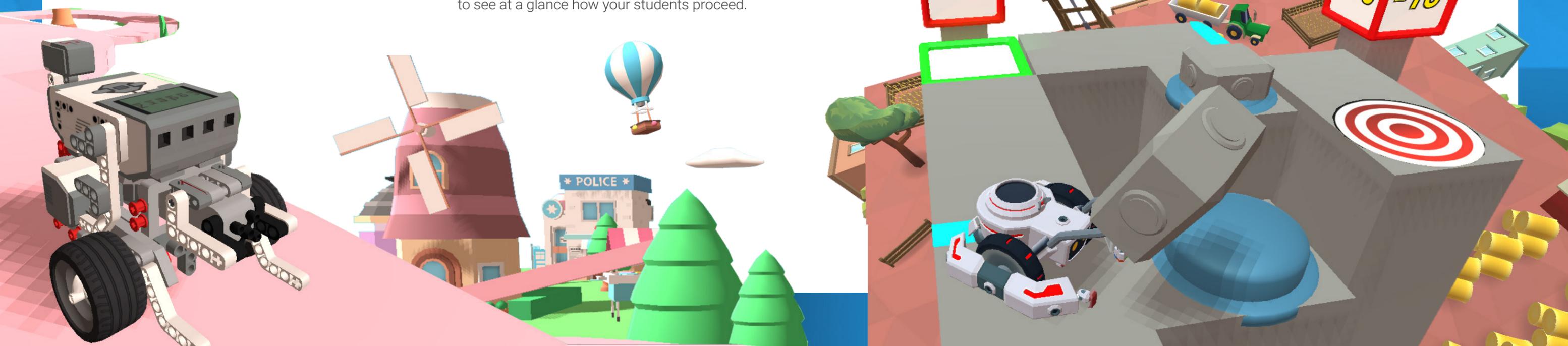
A platform that everyone will rally around, where even the most reluctant of students become engaged and every teacher can become a STEM champion.

### Teacher

Designed to meet your highest educational standards.

### Student

A learning environment they actually want to be a part of.



SIGN UP FOR A  
FREE TRIAL NOW!

- We are...** A team of educators, engineers, and “roboticists” who believe that every student - no matter their background - can develop a love of coding and robotics.
- We offer...** An easy to use, highly flexible virtual robotics platform tailored to serve every student at every level, creating an unparalleled, cutting-edge STEM experience for teachers and students alike.
- Why this is important...** Because teachers need a STEM partner they can believe in, and students need a STEM experience that allows them to learn, test, fail, grow, and thrive - all while having fun.



### Engaging

With CoderZ, students are engaged with fun, real world challenges and the immediate feedback of the simulated robotics. CoderZ motivates students to progress at their own pace by creating reachable goals. With CoderZ students learn STEM and have fun at the same time.



### Equitable

CoderZ can be cost effectively deployed to a club, classroom, school, or region/district. Cloud-based and Internet accessible, every student can code his or her own virtual robot in minutes in class or at home.



### Interdisciplinary

To succeed in 21<sup>st</sup> century jobs, students need knowledge of science, technology, engineering, and math, together with learning skills such as creativity, critical thinking, and collaboration. CoderZ integrates the STEM disciplines with project-based learning to prepare students for the real world.

## Award for Excellence

