

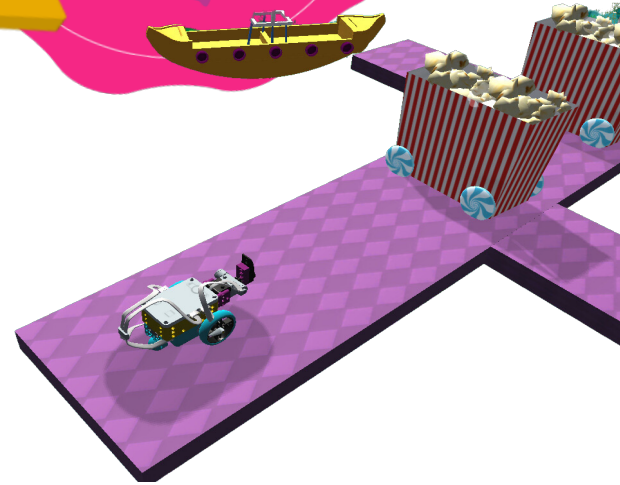


# Adventure: New Worlds



## A TEKS Aligned, Gamified Introduction to Computer Science

The CoderZ Adventure continues in New Worlds, the made-for-Texas curriculum designed for Grade 4 to build on what students learned in Trailblazers. Our virtual Lego robot explores new environments that incorporate more advanced computing and robotics concepts while also providing opportunities for real-world applications. Aligned to TEKS Technology Applications for Grade 4, the course reviews the topics covered in Trailblazers and introduces new ways for the robot to interact with increasingly complex and unpredictable environments. ELAR and Mathematics extensions deepen learning for digital ethics, cybersecurity, and data literacy.



- + 4th Grade Curriculum
- + Suitable for teachers of all backgrounds
- + Blockly Coding
- + Easy, web-based access
- + Interdisciplinary
- + Designed for Texas

CoderZ Adventure: New Worlds offers a broad view of CS education through a variety of lenses: Engineering Design, Algorithms & Coding, Ethics & Impacts of Tech, and more.

### STUDENT OUTCOMES:

- + Robotics and automation
- + Coding with procedures and events
- + Data and Analysis
- + Critical thinking with debugging
- + Physics and Mechanics
- + Digital Security and Ethics

All lessons include clear learning objectives and assessment opportunities

### TEACHING RESOURCES:

- + Teachers' guide
- + Guiding question for each lesson
- + Reflection questions
- + Quizzes
- + Project rubrics and exemplars
- + Slides for lesson guidance in classroom
- + Knowledge base and help desk
- + Heatmap for tracking student progress
- + Suggested solutions (for teachers)