

# Innovation Proposal: Robotics VEX 123

Elevated Charter School  
Saratoga Springs, Utah  
Contact: Nicole Lucero

Email: [ecsdirector@elevatedcharterschool.org](mailto:ecsdirector@elevatedcharterschool.org)



## Proposed Innovation

Students will use VEX Robotics to learn coding and building a robot that moves based on code the students create. Each student receives a VEX Robotics kit, shipped to them, that they get to keep. Students have the option to attend or compete in in-person VEX Robotics events. Students engage in hands-on problem solving in an engaging, real-world application.

## Purpose and Potential

VEX Robotics is not just building robots. Students learn basic coding, which builds skills in sequential thinking and logic, and provides a foundation for later coding for more complicated projects. Beyond engineering skills, students work collaboratively to problem solve and develop creativity, leadership, and teamwork skills.

### Courses Include

Meetings for 1 hour per week, with teachers available for 1-on-1 support outside of club meetings.

### Student Outcomes

will be measured through the creation of personalized videos of their robot moving based on the coding using FlipGrid, a program that works with school-provided Chromebooks.

### Funding

Grant funding will be used for the purchase and operation of VEX Robotics kits.

*Under House Bill 386, Local Education Agencies can approve up to \$5,000 in grant funding for innovation programs. The innovation outlined here is one example that has been approved for implementation. Learn more at [schools.utah.gov/ulead](https://schools.utah.gov/ulead)*