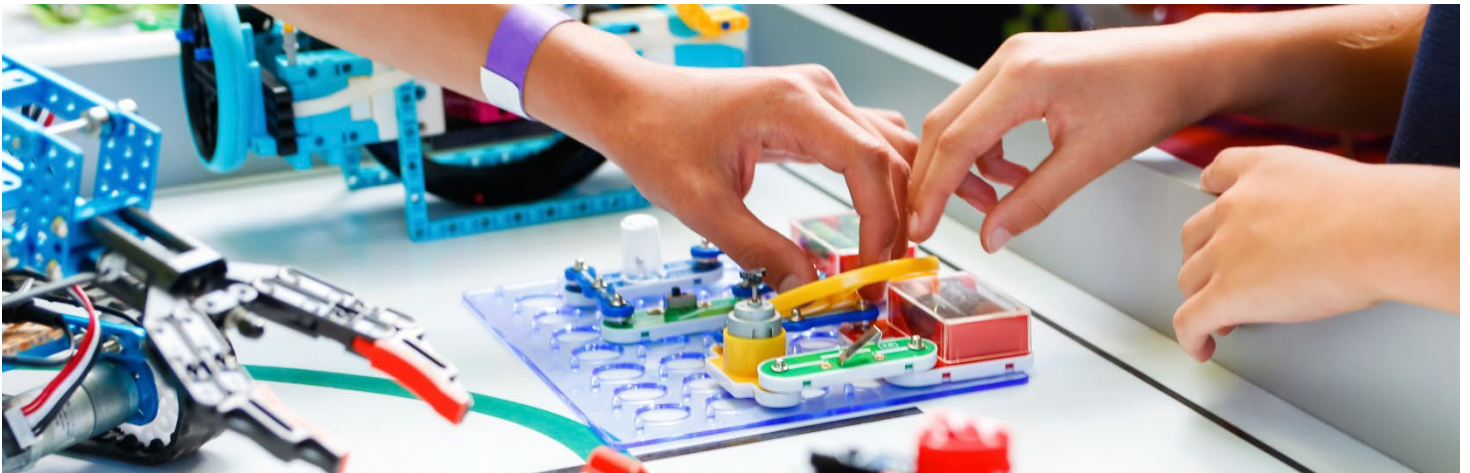


# Innovation Proposal: Robotics VEX IQ

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## 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 and compete in in-person VEX Robotics events. Kits are designed to allow creativity and to build on skills through additional exploration.

## 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 coding for more complicated projects including a foundation in C++, and Python languages. Students develop teamwork and must collaborate to effectively problem solve throughout.

### 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)*