Audience
Three separate sessions throughout the summer were attended by 62 total participants. Students were in the 4th through 8th grade. Students came from mid-Michigan as this was a Commuter Camp.

Funding
Participants paid a fee of $295. This fee pays for the use of a NXT LEGO Mindstorms Robot, a VEX IQ Robot, NXTG software, RobotC software and use of a computer.

Objectives
The program goals are to:

- Apply STEM (Science, Technology, Engineering and Math) knowledge to solve problems
- Students have fun while learning to build with LEGOS and VEX IQ robot platforms
- Build Teamwork and communication skills
- Develop problem-solving skills
- Learn about robots and what they do.
- Build LEGO NXT robot and program using NXTG programming language.
- Build VEX IQ Robot and program with RobotC programming language
- Apply STEM (Science, Technology, Engineering and Math) knowledge to solve problems

Outcomes
All Students build a LEGO Mindstorms NXT Tribot. Students using the NXTG software learn to program the robot to move, and respond to 4 sensors (Light, Touch, Sound and Ultrasonic). Next they build a VEX IQ Clawbot. They use RobotC programming software to make it move, and respond to a touch and ultrasonic sensors. The VEX IQ robot can also be controlled by a remote control. We mix all of the learning with some competition and the room fills with the excitement of a sporting event.

- Having fun while learning
- Improving communication skills
- Knowledge of what robots do
- Engineering concepts of problem solving
- Learning to work in teams
- Development of problem solving skills

Additional Significant Information
Staff includes personnel from the office of Recruitment & K-12 Outreach, college and high school mentors.

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