



# National Robotics League Colorado

A S.T.E.M. PROGRAM

## JOIN THE MOVEMENT - SPONSOR A TEAM INSPIRE A GENERATION

NRL Colorado Robotics is a job-driven, project-based STEM learning experience that was created by the industry to solve its biggest issue – **recruiting a future workforce**.

### Why Is It Important?

- Manufacturing faces a growing skills and interest gap.
- 2.4 million jobs may go unfilled by 2028 (Deloitte).
- 90% of parents value manufacturing, but only 30% support it as a career.
- NRL Colorado engages students who love to build and solve problems.

## SUPPORT THE NEXT GENERATION OF MAKERS

### Financial Support



\$1,800 funds a starter kit for New Teams to:

- Purchase a kit, components, and materials
- Obtain fabrication support

### Become an Advisor & Shape Colorado's Manufacturing Future

Share real-world manufacturing expertise by designating one or more employees to serve as technical advisors to:

- Help teams plan and design
- Support career exploration and explain the importance of documentation
- Host a facility tour
- Provide access to raw materials
- Assist with machining as needed
- Attend the competition on April 11, 2026 to support students. [Click here to watch a video from last year.](#)

## Program Overview

**NRL Colorado** is a manufacturing workforce development program of the Rocky Mountain National Tooling & Machining Association (RMTMA) to help machine shops fill their workforce pipeline by partnering with local schools.

Students design and build 15-lb remote controlled robots to face-off in a gladiator-style competition.

Through the manufacturing process of bot building, students' imaginations are captured as they design, build and compete with their own robotic creations. Students gain practical knowledge of Science, Technology, Engineering, and Math (STEM) - all essential skills for manufacturing.

By formalizing ties between schools and industry advisors, students gain a better understanding and become enthusiastic about the career possibilities in manufacturing.

## Time Commitment

Depending on the needs of the students, could be 6 hours of instruction and tour opportunities and 0-30 hours of machining, depending on the school's capabilities.