

Nevada Governor's Office of Science,
Innovation and Technology
STEMList Recommended STEM Program



FIRST

Joined the STEMList October 2017

PROGRAM OVERVIEW

FIRST® inspires young people to be science and technology leaders and innovators by engaging them in exciting mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.

TARGET GRADES

PK-12

A UNIQUE OR SPECIAL FOCUS OF THE PROGRAM

The FIRST program uniquely focuses on promoting STEM education through hands-on learning and competitive robotics. It fosters inclusivity, encouraging students from diverse backgrounds to excel. Mentorship is emphasized, connecting students with industry professionals for practical insights. FIRST also cultivates gracious professionalism and cooperation, fostering personal growth and a positive atmosphere. Overall, FIRST combines STEM education, inclusivity, mentorship, and gracious professionalism to inspire and empower the next generation of innovators and leaders.

THE PROGRAM'S IMPACT ON STUDENTS

As we work as a community to prepare young people for a STEM future, FIRST aims to ensure its programs are having a lasting, positive impact on participants across all demographic groups. Our rigorous multi-year longitudinal study, conducted by Brandeis University Center for Youth and Communities, provides strong evidence that participation in FIRST does just that. Even with just one year of FIRST participation, study participants are 2-3xs more likely to have gains in STEM outcomes than a comparison group of peers not participating in FIRST. To view FIRST Impact Studies, visit <https://www.firstinspires.org/about/impact>

SPECIFIC SKILLS STUDENTS WILL LEARN

Designing, building, computer programming, computer animation, CAD, mechanical engineering, electrical engineering, robotics, web design, conducting research, developing strategy, communication, leadership, fundraising, teamwork, problem solving, conflict resolution, persistence, time management, presentation skills, and self-confidence.

RESOURCES PROVIDED TO EDUCATORS

Educators have access to free training, online resources, and collaborative networks. Throughout the season, hands-on training and workshops are available, along with in-person support provided statewide by FIRST Senior Mentors and Program Delivery Partners.

WEBSITE

www.firstnevada.org and www.firstinspires.org

CONTACT INFORMATION

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