



## UNIVERSITY OF MINNESOTA EXTENSION 4-H

# Developing Future Scientists, Engineers and Technology Leaders

**BECAUSE** the U.S. is falling behind other nations in developing its future workforce of scientists, engineers and technology experts. To ensure global competitiveness, we must act now to prepare the next generation of science, engineering and technology leaders.

**UNIVERSITY RESPONSE** Minnesota 4-H's major initiative in Science, Technology, Engineering and Math (STEM) helps youth become the next generation of scientists, engineers and technology experts by actively engage in programs including:

- Aerospace
- Biofuels
- Robotics
- Wildlife biology
- Wind power

4-H learn-by-doing statewide programs also develop essential, transferable skills youth will use throughout their lives, such as leadership, problem-solving, decision-making and communicating.

**RESULTS** Research shows that 4-H youth:

- Perform better in subjects related to STEM compared to their classmates
- Have higher levels of female involvement in STEM programs
- Are 25% more civically active and make more community contributions
- Are 47% less likely to have risky/problem behavior than youth who participated in other out-of-school programs

**DISCOVER MORE** [www.extension.umn.edu/Youth](http://www.extension.umn.edu/Youth)

