

# Project Opportunities

- 4-H STEM Ambassadors
- Robotics
- Welding, Fabrication, & Woodworking

## Contests

- Discover Scientific Method Poster
- Agricultural Technology & Farm Safety Presentation
- Robotics competition

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## Dates:

**4/8** Brazos County 4-H Robotics Challenge

**4/27-29** District 9 4-H Round Up

**5/11** State 4-H Round Up Entries & Fees Due

**6/5-8** State 4-H Round Up



Introduction to  
**S.T.E.M.**



## **Discover Scientific Method**

- Choose one category out of seven to enter
- Start with a question you have, & follow the Scientific Method to answer that question
- Construct a poster, to be displayed at Roundup, highlighting the results & the path you took to get them
- Complete an oral presentation & interview discussing your results

## **Welding & Woodworking**

- Build a project using either metal or wood to enter into the Agricultural Mechanics competition at a major livestock show or your county fair.

## **STEM Ambassadors**

Texas 4-H STEM Ambassadors work with adult volunteers in their counties and across the state. They strive to promote, educate, & inspire others in the area of science, technology, engineering, and mathematics.

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\*\* STEM projects can be self-led or conducted in a group setting \*\*

## **Robotics Challenge**

- Build & program your bot to go head to head with other teams at district & state level challenges

## **Agricultural Technology & Safety**

- Put together an Educational Presentation about advancements in technology as it relates to agriculture
- Present to judges & answer questions about your research