WHAT KIND OF PROJECT MAY I COMPLETE FOR MY RESEARCH PROJECT AND ENTRY INTO THE DISTRICT STEM FAIR?

For this project you will design and conduct experimental research in order to answer a question based on a topic in any subject area. (You need to do an experiment in which you collect quantitative data.) Before designing your experiment you will complete a short research paper on your topic called a literature review. You will then create a visual display showing the methods and results (analyzed statistically) of the experimental process.

Your project should...

- be the work of one student only. (Projects involving pairs of students are allowed with prior approval but are not recommended.)
- not be an identical repetition of a previous year’s work. However, you can continue work on a previous project if you show significant progress and expansion on the earlier work.
- be a good experience for you - therefore let your teacher know if any special or different types of projects need to be considered.

WE COMPLETE INDIVIDUAL RESEARCH PROJECTS AND PARTICIPATE IN A DISTRICT STEM FAIR BECAUSE THEY...

- are “real”, hands-on science
- promote interest in science
- help the student recognize the problem solving nature of science
- provide opportunities to learn and use organizational skills
- develop communication skills
- have extrinsic and intrinsic rewards
- build self-confidence
- integrate diverse disciplines