

PROVO CITY SCHOOL DISTRICT



SCIENCE - TECHNOLOGY - ENGINEERING - MATH  
PREPARING THE FUTURE TODAY

# 2016-2017 STEM Fair Category Descriptions

## Elementary Categories (Grades 5-6)

**Chemistry:** Studies exploring the science of the composition, structure, properties, and reactions of matter.

**Computer Science:** The study or development of software, information processes or methods to demonstrate, analyze, or control a process solution.

**Earth & Environmental Science:** Studies dealing with the earth and its atmosphere. Studies of the environment and its effect on organisms/ systems, including investigations of biological processes such as growth and life span, as well as studies of Earth systems and their evolution.

**Engineering:** The application of math, observation and experimentation, and scientific, economic, social, and practical knowledge used to invent, innovate, design, build, maintain, research, and improve structures, machines, tools, systems, components, materials, processes and organizations.

**Life Science:** The scientific study of living organisms, including microorganisms, plants, animals, and humans.

**Physics, Astronomy, & Mathematics:** Physics is the science of matter and energy and of interactions between the two through space and time. Astronomy is the study of anything in the universe beyond the Earth. Math, the study of the measurement, properties, and relationships of quantities and sets, using numbers and symbols. The deductive study of numbers, geometry, and various abstract constructs, or structures.

**Product Testing & Consumer Science:** Studies that use comparative tests to check claims made about products. This includes measurements of the properties and performance of the product.