

Kansas State Standards Addressed Through Science Fairs

Compiled by Kim Ring, Eureka, KS

Science, Grade 4:

- 1.1.1-4** Students will develop the skills necessary to do inquiry.
- 5.1.1** The student will work with a technology design.
- 5.1.2** The student will apply their understanding about science and technology.
- 7.1.1** The student will develop awareness that people practice science.

Science, Grades 5-7:

- 1.1.1-3** The student will demonstrate abilities necessary to do the process of scientific inquiry.
- 1.2.1-2** The student will apply different kinds of investigations to different kinds of questions.
- 1.3.1-2** The student will analyze how science advances through the interaction of new ideas, scientific investigations, skepticism, and examinations of evidence of varied explanations.
- 5.1.1** The student will demonstrate abilities of technological design.
- 5.2.1-3** The student will develop understandings of the similarities, differences, and relationships in science and technology.
- 7.1.1** The student will develop scientific habits of mind.
- 7.1.2** The student will research contributions to science throughout history.

Science, Grades 8-12:

- 1.1.1-5** The student will demonstrate the abilities necessary to do scientific inquiry.
- 5.1.1-3** The student will develop an understanding that technology is applied science.
- 6.5.1** The student will develop an understanding of the relationships between science, technology, and society.
- 7.1.1-6** The student will develop an understanding that science is a human endeavor that uses models to describe and explain the physical universe.
- 7.2.1-4** The student will develop an understanding of the nature of scientific knowledge.
- 7.3.1-2** The student will understand science from historical perspectives.

The other science standards covered during any one project depend on the subject of that project.

Math, Grade 4:

- 1.1 The student uses numerical and computational concepts and procedures in a variety of situations.

Math, Grades 5-12:

- 1.1 The student uses numerical and computational concepts and procedures in a variety of situations.
- 4.1 & 4.2 The student uses concepts and procedures of data analysis in a variety of ways.

Writing, Grades 4-8:

- 1.2 The student writes expository text using the writing process.
- 1.3 The student writes technical text using the writing process.

Writing, Grades 9-12:

- 1.2 The student writes expository text using the writing process.
- 1.3 The student writes technical text using the writing process.
- 2.1 The student uses effective research practices.
- 2.2 The student uses ethical research practices.