K-STATE RESEARCH AND EXTENSION
FAMILY NUTRITION PROGRAM

Kids a Cookin' & Movin'

Kansas Science Education Standards

The Kansas Science Education Standards provide a guide to assist Kansas educators in selecting and developing curricula that will best serve to meet the high expectations of learning. We have linked the Kansas Science Education Standards (KSES) to the objectives in the Kids a Cookin' & Movin' curriculum for every grade level. Kids a Cookin' & Movin' meets specific objectives of the KSES. The use of this curriculum will enable teachers and administrators to accomplish meeting these objectives. Curriculum aligned from August 9, 2005 draft.

GRADES K-2

Standard 1: Science As Inquiry

The student will experience science as full inquiry. In the elementary grades, students begin to develop the physical and intellectual abilities of scientific inquiry.

Benchmark 1: The student will be involved in activities that develop skills necessary to conduct scientific inquiries.

- Indicator 1: The student identifies properties of objects.
- Indicator 2: The student classifies and arranges groups of objects by a variety of properties, one property at a time.
- Indicator 3: The student uses appropriate materials, tools, and safety procedures to collect information.
- Indicator 4: The student asks and answers questions about objects, organisms, and events in his/her environment.
- Indicator 5: The student describes an observation orally or pictorially.

Standard 2: Physical Science

The student will explore the world by observing and manipulating common objects and materials in their environment.

Benchmark 1: The student will develop skills to describe objects.

- Indicator 1: The student observes properties and measures or describes those properties using age-appropriate tools and materials.
- Indicator 2: The student separates or sorts a group of objects or materials by properties.
- Indicator 3: The student compares solids and liquids.

Standard 3: Life Science
The student will begin to develop an understanding of biological concepts.

Benchmark 1: The student will develop an understanding of the characteristics of living things.
Indicator 1: The student discusses that organisms live only in environments in which their needs can be met.
Indicator 4: The student examines the structure/parts of living things.

Standard 5: Science And Technology
The student will have a variety of educational experiences that involve science and technology.

Benchmark 1: The student will use technology to learn about the world around them.
Indicator 1: The student explores the way things work.
Indicator 2: The student experiences science through technology.

Standard 6: Science In Personal And Environmental Perspectives
The student will have a variety of experiences that provide understanding for various science-related personal and environmental challenges.

Benchmark 1: The student will demonstrate responsibility for their own health.
Indicator: 1: The student engages in personal care.
Indicator 2 The student discusses healthy foods.
Indicator 3: The student discusses that safety is a basic human need.

Standard 7: History And Nature Of Science
The student will experience scientific inquiry and learn about people from history.

Benchmark 1: The student will know they practice science.
Indicator 1: The student is involved in explorations that make his/her mind wonder and know that he/she is practicing science.
Indicator 2: The student uses technology to learn about people in science.

GRADES 3-4

Standard 1: Science As Inquiry
The student will experience science as inquiry.

Benchmark 1: The student will develop the skills necessary to do full inquiry. Full inquiry involves asking a simple question, completing an investigation, answering the question, and sharing the results with others.
Indicator 1: ▲The student observes properties and measures those properties using appropriate tools.
Indicator 2: ▲The student describes and classifies objects by more than one property.
Indicator 3: ▲The student observes and records how one object interacts with another object.
Indicator 4: ▲The student recognizes and describes the differences between solids, liquids, and gases.

Standard 2: Physical Science

The student will increase their understanding of the properties of objects and materials that they encounter on a daily basis. The student will compare, describe, and sort and classify these materials by observable properties.

Benchmark 1: The student will develop skills to describe objects.

Indicator 1: ▲The student observes properties and measures those properties using appropriate tools.

Indicator 3: ▲The student observes and records how one object interacts with another object.

Indicator 4: ▲The student recognizes and describes the differences between solids, liquids and gases.

Standard 5: Science And Technology

The student will have a variety of educational experiences which involve science and technology. They will begin to understand the design process, which includes this general sequence: state the problem, the design, and the solution.

Benchmark 2: The student will apply their understanding about science and technology.

Indicator 1: The student discusses that science is a way of investigating questions about their world.

Standard 6: Science In Personal And Environmental Perspectives

The student will demonstrate personal health and environmental practices.

Benchmark 1 The student will develop an understanding of personal health.

Indicator 1: ▲The student discusses the safety involves freedom from danger, risk, or injury.

Indicator 2: ▲The student assumes some responsibility for his/her own health.

Indicator 3: ▲The student discusses that various foods contribute to health.

GRADES 5-7

Standard 6: Science In Personal And Environmental Perspectives

The student will apply process skills to explore and develop an understanding of issues of personal health, population, resources and environment, and natural hazards.

Benchmark 1: The student will understand scientific knowledge relative to personal health.

Indicator 1: ▲The student identifies individual nutrition, exercise, and rest needs based on science and uses a scientific approach to thinking critically about personal health, lifestyle choices, risks and benefits.

Standard 7: History And Nature Of Science

The student will examine and develop an understanding of science as a historical human endeavor.

Benchmark 2: The student will research contributions to science throughout history.

Indicator 1: ▲The student recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.