



Standards Addressed

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Science

Science Standards were developed by the National Academies of Science. [Visit here](#) for a full copy of the standards and more details on grade level applications visit.

Students should develop understanding and abilities related to:

Category	Standard	Lesson Application
Science as Inquiry	Develop abilities necessary to do scientific inquiry	Activity 1 Activity 1: Science Extension
	Understand scientific inquiry	Activity 1 Activity 1: Science Extension
Physical Science	Properties of objects and materials	Activity 1 and 2 Activity 1: Science and Art Extension Activity 2: Nutrition Extension
Life Science	The characteristics of organisms	Activity 1 and 2 Activity 1: Art Extension Activity 2: Science Extension
Science and Technology	Abilities to distinguish between natural objects and objects made by humans	Activity 1
Science in Personal and Social Perspective	Personal health	Activity 2: Nutrition Extension
	Science and technology in local challenges	Activity 1 Activity1: Science Extension
	Science and technology in society	Activity 1 Activity 1: Science and English/History Extension
History and Natural Science	Science as a human endeavor	Activity 1 Activity 1: Science and English/History Extension

	Nature of scientific knowledge	Activity 1: Science Extension
	Historical perspectives	Activity 1 Activity 1: Science and English/History Extension

Math

Math Standards were developed by the National Council of Teachers of Mathematics.

[Visit here](#) for a full copy of the standards and more details on grade level applications

Students should develop understanding and abilities related to:

Category	Standard	Lesson Application
Data Analysis and Probability	Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	Activity 2: Math Extension
	Select and use appropriate statistical methods to analyze data	Activity 2: Math Extension
	Develop and evaluate inferences and predictions that are based on data	Activity 2: Math Extension
Connections	Recognize and apply mathematics in context outside of math	Activity 2: Math Extension

English

English Standards were developed by the National Council of Teachers of English.

[Visit here](#) for a full copy of the standards and more details on grade level applications.

Students should develop understanding and abilities related to:

Standard	Lesson Application
1. Students read a wide range of print and non-print texts to build an understanding of texts, of themselves, and of the cultures of the US and the world; to acquire new information; to respond to the needs and demands of society and the workplace; and for personal fulfillment. Among these texts are fiction and nonfiction, classic and contemporary works.	Activity1: Science and History/English Extension
4. Students adjust their use of spoken, written, and visual language to communicate effectively with a variety of audiences and for different purposes.	Activity1: History/English Extension

<p>7. Students conduct research on issues and interests by generating ideas and questions, and by posing problems. They gather, evaluate, and synthesize data from a variety of sources (e.g., print and non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience.</p>	<p>Activity1: History/English Extension Activity 2</p>
<p>8. Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge.</p>	<p>Activity1: History/English Extension Activity 2</p>

History

Historical Thinking Standards were developed by the National Center for History in the Schools. [Visit here](#) for a full copy of the standards and more details on grade level applications.

Students should develop understanding and abilities related to:

Category	Standard	Lesson Application
Chronological Thinking	Distinguish between past, present and future time	Activity 1
	Create time lines	Activity 2: History extension
Historical Analysis and Interpretation	Formulate questions to focus their inquiry or analysis	Activity 1: Science and English/History Extension
Historical Research Capabilities	Formulate historical questions	Activity 1: Science and English/History Extension
	Obtain historical data	Activity 1: Science and English/History Extension

History Content Standards for Elementary Education were developed by the National Center for History in the Schools. [Visit here](#) for a full copy of the standards and more details on grade level applications.

Students should develop understanding and abilities related to:

Category	Standard	Lesson Application
Living and Working Together in Families and Communities, Now and Long Ago	Family life now and in the recent past; Family life in various places long ago	Activity 1
The History of Peoples of Many Cultures Around the World	Major discoveries in Science and Technology, their social and economic effects, and the scientists and inventors responsible for them	Activity 1 Activity 1: Science and English/History Extension

Health Education

Health Education Standards were developed by the American Association of Health Education. [Visit here](#) for a full copy of the standards and more details on grade level applications.

Students should develop understanding and abilities related to:

Standard	Lesson Application
Students will demonstrate the ability to access valid health information and health-promoting products and services	Activity 2: Nutrition Extension

Educational Technology

Educational Technology Standards were developed by the International Society for Technology in Education. [Visit here](#) for a full copy of the standards and more details on grade level applications.

Students should develop understanding and abilities related to:

Category	Standard	Lesson Application
Basic Operations and Concepts	Students are proficient in the use of technology	Activity 2
Technology Research Tools	Students use technology to locate, evaluate, and collect information from a variety of sources	Activity 2 Activity 2: Math Extension

Arts Education

The Art Education Standards were developed by the Consortium of National Arts Education Association. [Visit here](#) for a full copy of the standards and more details on grade level applications.

Students should develop understanding and abilities related to:

Category	Standard	Lesson Application
Visual Arts	Using and applying media, techniques and processes	Activity 1: Art Extension
	Using knowledge of structures and functions	Activity 1: Art Extension

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