



Standards Addressed

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Creating and enforcing educational standards are the responsibilities of each state. To find out the specific standards for your state, visit your state's [Department of Education Web site](#).

To help unify educational standards across the country, a number of national organizations of education professionals have compiled sets of standards as a resource for the state agencies to help guide them as they develop their own standards. Below you will find summaries of these national standards, the names of the organizations that developed them, and a link to the full set of standards.

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.

Students should develop understanding and abilities related to:

Category	Standard	Lesson Application
Life Science	Organisms and environments	Lesson 1 Extension - Science
Earth and Space Science	Properties of earth materials	Lesson 2

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
Numbers and Operations	Understand numbers, ways of representing numbers, relationships among numbers, and number systems	Lesson 2

	Understand meanings of operations and how they relate to one another.	Lesson 2
	Compute fluently and make reasonable estimates	Lesson 2
Geometry	Analyze characteristics and properties of 2-dimensional and 3-dimensional geometric shapes and develop mathematical arguments about geometric relationships	Lesson 2
Measurement	Understand measurable attributes of objects and measurement	Lesson 2
	Apply appropriate techniques, tools, and formulas to determine measurements	Lesson 1 Lesson 2

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
4. Students adjust their use of spoken, written, and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.	Lesson 2
5. Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.	Lesson 1 Extension - English Lesson 2 Extension - English
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.	Lesson 1
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.	Lesson 1

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. 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
Historical Research Capabilities	Obtain historical data	Lesson 1 Lesson 2 Extension - History

Social Science

Social Science Standards were developed by the National Council for the Social Studies. [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 Themes	In Lesson
3. People, Places, and Environments	Lesson 1

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