

# History's Harvest: Where Food Comes From

## SCIENCE CONTENT STANDARDS

The National Science Education Standards on content provide a framework that can give you ideas for using this film. The standards explain what students at each level should know, understand and be able to do. The film clearly helps meet the standards for what the students should know and understand in a variety of content areas. Supplemented by hands-on activities, the standards for what students should be able to do will also be met. These charts highlight the strongest content matches for the film. State standards for content do vary and individual charts showing the film's match to state standards are being developed and will be available on this site.

Areas Where The Film Meets the National Science Education Content Standards					
<b>Science as Inquiry</b>					
Grades K - 4	<b>Film Matches</b>	Grades 5 - 8	<b>Film Matches</b>	Grades 9 - 12	<b>Film Matches</b>
Abilities necessary to do science inquiry		Abilities necessary to do scientific inquiry		Abilities necessary to do scientific inquiry	
Understandings about scientific inquiry	✓	Understandings about scientific inquiry	✓	Understandings about scientific inquiry	✓
<b>Life Science</b>					
Grades K - 4	<b>Film Matches</b>	Grades 5 - 8	<b>Film Matches</b>	Grades 9 - 12	<b>Film Matches</b>
Characteristics of organisms	✓	Structure and function in living systems	✓	The cell	✓
Life cycles of organisms	✓	Reproduction and heredity	✓	Molecular basis of heredity	✓
Organisms and environments	✓	Regulation and Behavior		Biological evolution	✓
		Populations and ecosystems	✓	Interdependence of organisms	✓
		Diversity and adaptations of organisms	✓	Matter, energy, and organization in living systems	✓
				Behavior of organisms	✓
<b>Science and Technology</b>					
Grades K - 4	<b>Film Matches</b>	Grades 5 - 8	<b>Film Matches</b>	Grades 9 - 12	<b>Film Matches</b>
Abilities of technological design		Abilities of technological design		Abilities of technological design	
Understandings about science and technology	✓	Understandings about science and technology	✓	Understandings about science and technology	✓
Abilities to distinguish between natural objects and objects made by nature	✓				

### Science in Personal and Social Perspectives

Grades K - 4	Film Matches	Grades 5 - 8	Film Matches	Grades 9 - 12	Film Matches
Personal health	✓	Personal health	✓	Personal and community health	✓
Characteristics and changes in populations	✓	Populations, resources, and environments	✓	Population growth	✓
Types of resources	✓	Natural hazards	✓	Natural resources	✓
Changes in environments	✓	Risks and benefits	✓	Environmental quality	✓
Science and technology in local challenges	✓	Science and technology in society	✓	Natural and human-induced hazards	✓
				Science and technology in local, national, and global challenges	✓

### History and Nature of Science

Grades K - 4	Film Matches	Grades 5 - 8	Film Matches	Grades 9 - 12	Film Matches
Science as a human endeavor	✓	Science as a human endeavor	✓	Science as a human endeavor	✓
		Nature of science		Nature of scientific knowledge	
		History of science	✓	Historical perspectives	✓