

Main Criteria: Maine Learning Results
Secondary Criteria: Virtual Field Trips
Subjects: Science, Social Studies
Grade: 9
Correlation Options: Show Correlated

**Maine Learning Results
 Science**

Grade: 9 - Adopted: 2007

STRAND / DOMAIN	ME.A.	Unifying Themes: Students apply the principles of systems, models, constancy and change, and scale in science and technology.
CATEGORY / PERFORMANCE INDICATOR	A.1.	Systems: Students apply an understanding of systems to explain and analyze man-made and natural phenomena.
STANDARD	A.1.a.	Analyze a system using the principles of boundaries, subsystems, inputs, outputs, feedback, or the system's relation to other systems and design solutions to a system problem. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
STANDARD	A.1.b.	Explain and provide examples that illustrate how it may not always be possible to predict the impact of changing some part of a man-made or natural system. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades
CATEGORY / PERFORMANCE INDICATOR	A.3.	Constancy and Change: Students identify and analyze examples of constancy and change that result from varying types and rates of change in physical, biological, and technological systems with and without counterbalances. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
STRAND / DOMAIN	ME.A.	Unifying Themes: Students apply the principles of systems, models, constancy and change, and scale in science and technology.
CATEGORY / PERFORMANCE INDICATOR	A.4.	Scale: Students apply understanding of scale to explain phenomena in physical, biological, and technological systems.
STANDARD	A.4.a.	Describe how large changes of scale may change how physical and biological systems work and provide examples. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
STRAND / DOMAIN	ME.C.	The Scientific and Technological Enterprise: Students understand the history and nature of scientific knowledge and technology, the processes of inquiry and technological design, and the impacts science and technology have on society and the environment.

CATEGORY / PERFORMANCE INDICATOR	C.3.	Science, Technology, and Society: Students describe the role of science and technology in creating and solving contemporary issues and challenges.
STANDARD	C.3.a.	Explain how science and technology influence the carrying capacity and sustainability of the planet. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STANDARD	C.3.b.	Explain how ethical, societal, political, economic, and cultural factors influence personal health, safety, and the quality of the environment. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
STANDARD	C.3.c.	Explain how ethical, societal, political, economic, religious, and cultural factors influence the development and use of science and technology. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
STRAND / DOMAIN	ME.C.	The Scientific and Technological Enterprise: Students understand the history and nature of scientific knowledge and technology, the processes of inquiry and technological design, and the impacts science and technology have on society and the environment.
CATEGORY / PERFORMANCE INDICATOR	C.4.	History and Nature of Science: Students describe the human dimensions and traditions of science, the nature of scientific knowledge, and historical episodes in science that impacted science and society.
STANDARD	C.4.b.	Select and describe one of the major episodes in the history of science including how the scientific knowledge changed over time and any important effects on science and society. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
STRAND / DOMAIN	ME.D.	The Physical Setting: Students understand the universal nature of matter, energy, force, and motion and identify how these relationships are exhibited in Earth Systems, in the solar system, and throughout the universe.
CATEGORY / PERFORMANCE INDICATOR	D.2.	Earth: Students describe and analyze the biological, physical, energy, and human influences that shape and alter Earth Systems.
STANDARD	D.2.c.	Describe and analyze the effects of biological and geophysical influences on the origin and changing nature of Earth Systems. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California

		National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
STANDARD	D.2.d.	Describe and analyze the effects of human influences on Earth Systems. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND / DOMAIN	ME.E.	The Living Environment: Students understand that cells are the basic unit of life, that all life as we know it has evolved through genetic transfer and natural selection to create a great diversity of organisms, and that these organisms create interdependent webs through which matter and energy flow. Students understand similarities and differences between humans and other organisms and the interconnections of these interdependent webs.
CATEGORY / PERFORMANCE INDICATOR	E.1.	Biodiversity: Students describe and analyze the evidence for relatedness among and within diverse populations of organisms and the importance of biodiversity.
STANDARD	E.1.d.	Analyze the effects of changes in biodiversity and predict possible consequences. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
STRAND / DOMAIN	ME.E.	The Living Environment: Students understand that cells are the basic unit of life, that all life as we know it has evolved through genetic transfer and natural selection to create a great diversity of organisms, and that these organisms create interdependent webs through which matter and energy flow. Students understand similarities and differences between humans and other organisms and the interconnections of these interdependent webs.
CATEGORY / PERFORMANCE INDICATOR	E.2.	Ecosystems: Students describe and analyze the interactions, cycles, and factors that affect short-term and long-term ecosystem stability and change.
STANDARD	E.2.a.	Explain why ecosystems can be reasonably stable over hundreds or thousands of years, even though populations may fluctuate. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
STANDARD	E.2.b.	Describe dynamic equilibrium in ecosystems and factors that can, in the long run, lead to change in the normal pattern of cyclic fluctuations and apply that knowledge to actual situations. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
STANDARD	E.2.d.	Describe the critical role of photosynthesis and how energy and the chemical elements that make up molecules are transformed in ecosystems and obey basic conservation laws. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
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		through which matter and energy flow. Students understand similarities and differences between humans and other organisms and the interconnections of these interdependent webs.
CATEGORY / PERFORMANCE INDICATOR	E.5.	Evolution: Students describe the interactions between and among species, populations, and environments that lead to natural selection and evolution.
STANDARD	E.5.a.	Describe the premise of biological evolution, citing evidence from the fossil record and evidence based on the observation of similarities within the diversity of existing organisms. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
STANDARD	E.5.b.	Describe the origins of life and how the concept of natural selection provides a mechanism for evolution that can be advantageous or disadvantageous to the next generation. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
STANDARD	E.5.d.	Relate structural and behavioral adaptations of an organism to its survival in the environment. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades

Maine Learning Results

Social Studies

Grade: 9 - Adopted: 2007

STRAND / DOMAIN	ME.B.	Civics and Government: Students draw on concepts from civics and government to understand political systems, power, authority, governance, civic ideals and practices, and the role of citizens in the community, Maine, the United States, and world.
CATEGORY / PERFORMANCE INDICATOR	B.1.	Knowledge, Concepts, Themes, and Patterns of Civics/Government: Students understand the ideals, purposes, principles, structures, and processes of constitutional government in the United States and in the American political system, as well as examples of other forms of government and political systems in the world.
STANDARD	B.1.b.	Evaluate current issues by applying democratic ideals and constitutional principles of government in the United States, including checks and balances, federalism, and consent of the governed as put forth in founding documents. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
STRAND / DOMAIN	ME.D.	Geography: Students draw on concepts and processes from geography to understand issues involving people, places, and environments in the community, Maine, the United States, and world.
CATEGORY / PERFORMANCE INDICATOR	D.1.	Geographic Knowledge, Concepts, Themes, and Patterns: Students understand the geography of the United States and various regions of the world and the effect of geographic influences on decisions about the present and future.
STANDARD	D.1.a.	Explain that geography includes the study of physical, environmental, and cultural features at the local, state, national, and

		<p>global levels and helps people to better predict and evaluate consequences of geographic influences.</p> <p><u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades</p>
STANDARD	D.1.b.	<p>Describe the major regions of the Earth and their major physical, environmental, and cultural features using a variety of geographic tools.</p> <p><u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades</p>
STANDARD	D.1.c.	<p>Analyze local, national, and global geographic data on physical, environmental, and cultural processes that shape and change places and regions.</p> <p><u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades</p>
STRAND / DOMAIN	ME.D.	<p>Geography: Students draw on concepts and processes from geography to understand issues involving people, places, and environments in the community, Maine, the United States, and world.</p>
CATEGORY / PERFORMANCE INDICATOR	D.2.	<p>Individual, Cultural, International, and Global Connections in Geography: Students understand geographic aspects of unity and diversity in Maine, the United States, and the world, including Maine Native American communities.</p>
STANDARD	D.2.a.	<p>Analyze geographic features that have impacted unity and diversity in the United States and other nations and describe their effects.</p> <p><u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades</p>
STRAND / DOMAIN	ME.E.	<p>History: Students draw on concepts and processes from history to develop historical perspective and understand issues of continuity and change in the community, Maine, the United States, and world.</p>
CATEGORY / PERFORMANCE INDICATOR	E.1.	<p>Historical Knowledge, Concepts, Themes, and Patterns: Students understand major eras, major enduring themes, and historic influences in United States and world history, including the roots of democratic philosophy, ideals, and institutions in the world.</p>
STANDARD	E.1.d.	<p>Analyze and critique varying interpretations of historic people, issues, or events, and explain how evidence is used to support different interpretations.</p>

		Virtual Field Trips Washington, DC - Grades 6 - 12
STRAND / DOMAIN	ME.E.	History: Students draw on concepts and processes from history to develop historical perspective and understand issues of continuity and change in the community, Maine, the United States, and world.
CATEGORY / PERFORMANCE INDICATOR	E.2.	Individual, Cultural, International, and Global Connections in History: Students understand historical aspects of unity and diversity in the United States and the world, including Native American communities.
STANDARD	E.2.b.	Identify and analyze major turning points and events in the history of Native Americans and various historical and recent immigrant groups in the United States, and other cultures in the world. Virtual Field Trips National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1

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