

Activity #51: MAKE YOUR OWN PAPER

SCIENCE

Students will demonstrate an increasing ability to

- understand how technology is used to synthesize new products (2d; *Science, Technology, and Society*).
- understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- understand the relationships among different types and forms of energy (5c; *Physical Science*).
- recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #52: A LOOK AT ALUMINUM

SCIENCE

Students will demonstrate an increasing ability to

- understand how technology is used to synthesize new products (2d; *Science, Technology, and Society*).
- understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- distinguish among materials by utilizing observable properties (5a; *Physical Science*).
- recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

Activity #53: ON THE MOVE

SCIENCE

Students will

- demonstrate an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- demonstrate an increasing ability to understand the relationships among different types and forms of energy (5c; *Physical Science*).
- demonstrate an increasing ability to recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).
- understand the meaning of models, their appropriate use and limitations, and how models can help them in understanding the natural world (6c; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).
- an understanding of the impact of human systems on Earth's surface including the characteristics, distribution, and migration of human populations; the nature and complexity of patterns of cultural diffusion; patterns and networks of economic interdependence; processes, patterns, and functions of human settlement; and the forces of cooperation and conflict that shape human geographic divisions (13; *Geography*).
- the ability to apply their knowledge of geographic concepts, skills, and technology to interpret the past and present and to plan for the future (15; *Geography*).

MATHEMATICS

Students will

- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- develop spatial sense (4b; *Geometry, Measurement, and Trigonometry*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).

- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #54: I'D LIKE TO VISIT A PLACE WHERE...

SCIENCE

Students will demonstrate an increasing ability to

- understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #55: PLANNING THE IDEAL COMMUNITY

SOCIAL STUDIES

Students will demonstrate

- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).
- the ability to apply their knowledge of geographic concepts, skills, and technology to interpret the past and present and to plan for the future (15; *geography*).

MATHEMATICS

Students will

- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- develop spatial sense (4b; *Geometry, Measurement, and Trigonometry*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #56: WE CAN WORK IT OUT

SOCIAL STUDIES

Students will demonstrate

- an understanding of the purpose of government and how government is established and organized (1; *Civics and Government*).
- an understanding of the fundamental ideals and principles of American democracy; the major provisions of the United States and New Hampshire Constitutions; and the organization and operation of government at all levels including the legislative, executive, and judicial branches (2; *Civics and Government*).
- the ability and willingness to apply economic concepts in the examination and resolution of problems and issues in educational, occupational, civic, and everyday settings (9; *Economics*).
- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to apply their knowledge of geographic concepts, skills, and technology to interpret the past and present and to plan for the future (15; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #57: DEMOCRACY IN ACTION

SOCIAL STUDIES

Students will demonstrate an understanding of

- the fundamental ideals and principles of American democracy; the major provisions of the United States and New Hampshire Constitutions; and the organization and operation of government at all levels including the legislative, executive, and judicial branches (2; *Civics and Government*).
- the meaning, rights, and responsibilities of citizenship as well as the ability to apply their knowledge of the ideals, principles, organization, and operation of American government through the political process and citizen involvement (4; *Civics and Government*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #58: THERE OUGHT TO BE A LAW

SOCIAL STUDIES

Students will demonstrate

- an understanding of the purpose of government and how government is established and organized (1; *Civics and Government*).
- an understanding of the fundamental ideals and principles of American democracy; the major provisions of the United States and New Hampshire Constitutions; and the organization and operation of government at all levels including the legislative, executive, and judicial branches (2; *Civics and Government*).
- the meaning, rights, and responsibilities of citizenship as well as the ability to apply their knowledge of the ideals, principles, organization, and operation of American government through the political process and citizen involvement (4; *Civics and Government*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #59: POWER OF PRINT

SOCIAL STUDIES

Students will demonstrate an understanding of

- the meaning, rights, and responsibilities of citizenship as well as the ability to apply their knowledge of the ideals, principles, organization, and operation of American government through the political process and citizen involvement (4; *Civics and Government*).
- the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- competence in the interest and ability to write effectively for a variety of purposes and audiences (2; *Writing*).
- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #60: PUBLICIZE IT!

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to write effectively for a variety of purposes and audiences (2; *Writing*).
- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #61: THE CLOSER YOU LOOK

SCIENCE

Students will demonstrate an increasing ability to

- understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #62: TO BE A TREE

SCIENCE

Students will demonstrate an increasing ability to

- use technology to observe nature (2b; *Science, Technology, and Society*).
- understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #63: TREE FACTORY

SCIENCE

Students will demonstrate an increasing ability to

- understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #64: LOOKING AT LEAVES

SCIENCE

Students will demonstrate an increasing ability to

- recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- distinguish among materials by utilizing observable properties (5a; *Physical Science*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #65: BURSTING BUDS

SCIENCE

Students will demonstrate

- an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #66: GERMINATING GIANTS

SCIENCE

Students will

- demonstrate an increasing ability to use measuring instruments to gather accurate and/or precise information (2a; *Science, Technology, and Society*).
- demonstrate an increasing ability to use technology to observe nature (2b; *Science, Technology, and Society*).
- demonstrate an increasing ability to analyze, synthesize, and communicate scientific information using technology (2c; *Science, Technology, and Society*).
- demonstrate an increasing ability to recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- demonstrate an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- demonstrate an increasing ability to distinguish among materials by utilizing observable properties (5a; *Physical Science*).
- increasingly quantify their interactions with phenomena in the natural world, use these results to understand differences of scale in objects and systems, and determine how changes in scale affect various properties of those objects and systems (6d; *Unifying Themes and Concepts*).

MATHEMATICS

Students will

- use problem-solving strategies to investigate and understand increasingly complex mathematical content (1a; *Problem-Solving and Reasoning*).
- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- compute (3c; *Numbers, Numeration, Operations, and Number Theory*).
- use mental computation and estimation skills and strategies and know when it is appropriate to do so (3d; *Numbers, Numeration, Operations, and Number Theory*).
- develop an understanding of measurement and systems of measurement through experiences which enable them to use a variety of techniques, tools, and units of measurement to describe and analyze quantifiable phenomena (4c; *Geometry, Measurement and Trigonometry*).

Activity #67: HOW BIG IS YOUR TREE?

SCIENCE

Students will

- demonstrate an increasing ability to use measuring instruments to gather accurate and/or precise information (2a; *Science, Technology, and Society*).
- demonstrate an increasing ability to use technology to observe nature (2b; *Science, Technology, and Society*).
- demonstrate an increasing ability to recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- demonstrate an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- increasingly quantify their interactions with phenomena in the natural world, use these results to understand differences of scale in objects and systems, and determine how changes in scale affect various properties of those objects and systems (6d; *Unifying Themes and Concepts*).

MATHEMATICS

Students will

- use problem-solving strategies to investigate and understand increasingly complex mathematical content (1a; *Problem-Solving and Reasoning*).
- use mathematical reasoning (1b; *Problem-Solving and Reasoning*).
- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- compute (3c; *Numbers, Numeration, Operations, and Number Theory*).
- use mental computation and estimation skills and strategies and know when it is appropriate to do so (3d; *Numbers, Numeration, Operations, and Number Theory*).
- develop an understanding of measurement and systems of measurement through experiences which enable them to use a variety of techniques, tools, and units of measurement to describe and analyze quantifiable phenomena (4c; *Geometry, Measurement and Trigonometry*).

Activity #68: NAME THAT TREE

SCIENCE

Students will demonstrate an increasing ability to

- recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- distinguish among materials by utilizing observable properties (5a; *Physical Science*).

Activity #69: FOREST FOR THE TREES

SCIENCE

Students will demonstrate an increasing ability to

- understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability and willingness to apply economic concepts in the examination and resolution of problems and issues in educational, occupational, civic, and everyday settings (9; *Economics*).
- an understanding of landform patterns and water systems on Earth's surface; the physical processes that shape these patterns; and the characteristics and distribution of ecosystems (12; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

Activity #70: SOIL STORIES

SCIENCE

Students will

- demonstrate an increasing understanding of how the scientific enterprise operates (1a; *Science as Inquiry*).
- demonstrate an increasing ability to use measuring instruments to gather accurate and/or precise information (2a; *Science, Technology, and Society*).
- demonstrate an increasing ability to use technology to observe nature (2b; *Science, Technology, and Society*).
- demonstrate an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- demonstrate an increasing ability to understand that the Earth is a complex planet with five interacting systems, which consists of the solid Earth (lithosphere), air (atmosphere), water (hydrosphere), ice (cryosphere), and life (biosphere) (4b; *Earth/Space Science*).
- demonstrate an increasing ability to distinguish among materials by utilizing observable properties (5a; *Physical Science*).
- increasingly quantify their interactions with phenomena in the natural world, use these results to understand differences of scale in objects and systems, and determine how changes in scale affect various properties of those objects and systems (6d; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate an understanding of

- the physical and human geographic features that define places and regions (11; *Geography*).
- the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

MATHEMATICS

Students will

- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- compute (3c; *Numbers, Numeration, Operations, and Number Theory*).
- use mental computation and estimation skills and strategies and know when it is appropriate to do so (3d; *Numbers, Numeration, Operations, and Number Theory*).
- develop an understanding of measurement and systems of measurement through experiences which enable them to use a variety of techniques, tools, and units of

measurement to describe and analyze quantifiable phenomena (4c; *Geometry, Measurement and Trigonometry*).

- use data analysis, statistics and probability to analyze given situations and the outcomes of experiments (5a; *Data Analysis, Statistics, and Probability*).

Activity #71: WATCH ON WETLANDS

SCIENCE

Students will

- demonstrate an increasing ability to use measuring instruments to gather accurate and/or precise information (2a; *Science, Technology, and Society*).
- demonstrate an increasing ability to use technology to observe nature (2b; *Science, Technology, and Society*).
- demonstrate an increasing ability to analyze, synthesize, and communicate scientific information using technology (2c; *Science, Technology, and Society*).
- demonstrate an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- demonstrate an increasing ability to recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- demonstrate an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- demonstrate an increasing ability to recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).
- increasingly quantify their interactions with phenomena in the natural world, use these results to understand differences of scale in objects and systems, and determine how changes in scale affect various properties of those objects and systems (6d; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the fundamental ideals and principles of American democracy; the major provisions of the United States and New Hampshire Constitutions; and the organization and operation of government at all levels including the legislative, executive, and judicial branches (2; *Civics and Government*).
- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).
- an understanding of landform patterns and water systems on Earth's surface; the physical processes that shape these patterns; and the characteristics and distribution of ecosystems (12; *Geography*).

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #72: AIR WE BREATHE

SCIENCE

Students will demonstrate an increasing ability to

- use technology to observe nature (2b; *Science, Technology, and Society*).
- understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- understand that the Earth is a complex planet with five interacting systems, which consists of the solid Earth (lithosphere), air (atmosphere), water (hydrosphere), ice (cryosphere), and life (biosphere) (4b; *Earth/Space Science*).
- understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- distinguish among materials by utilizing observable properties (5a; *Physical Science*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #73: WASTE WATCHERS

SCIENCE

Students will demonstrate an increasing ability to

- use measuring instruments to gather accurate and/or precise information (2a; *Science, Technology, and Society*).
- analyze, synthesize, and communicate scientific information using technology (2c; *Science, Technology, and Society*).
- understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- understand the relationships among different types and forms of energy (5c; *Physical Science*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to apply their knowledge of geographic concepts, skills, and technology to interpret the past and present and to plan for the future (15; *Geography*).

MATHEMATICS

Students will

- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- compute (3c; *Numbers, Numeration, Operations, and Number Theory*).

Activity #74: PEOPLE, PLACES, THINGS

SOCIAL STUDIES

Students will demonstrate

- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).

Activity #75: TEPEE TALK

SCIENCE

Students will demonstrate an increasing ability to understand

- how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).

SOCIAL STUDIES

Students will demonstrate an understanding of the

- physical and human geographic features that define places and regions (11; *Geography*).
- connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #76: TREE COOKIES

SCIENCE

Students will demonstrate

- an increasing understanding of how the scientific enterprise operates (1a; *Science as Inquiry*).
- an increasing ability to use technology to observe nature (2b; *Science, Technology, and Society*).
- an increasing ability to recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- an increasing ability to recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of landform patterns and water systems on Earth's surface; the physical processes that shape these patterns; and the characteristics and distribution of ecosystems (12; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to employ historical analysis, interpretation, and comprehension to make reasoned judgments and to gain an understanding, perspective, and appreciation of history and its uses in contemporary situations (16; *History*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).

- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #77: TREES IN TROUBLE

SCIENCE

Students will demonstrate

- an increasing understanding of how the scientific enterprise operates (1a; *Science as Inquiry*).
- an increasing ability to use measuring instruments to gather accurate and/or precise information (2a; *Science, Technology, and Society*).
- an increasing ability to use technology to observe nature (2b; *Science, Technology, and Society*).
- an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

MATHEMATICS

Students will

- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- develop an understanding of measurement and systems of measurement through experiences which enable them to use a variety of techniques, tools, and units of measurement to describe and analyze quantifiable phenomena (4c; *Geometry, Measurement and Trigonometry*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #78: SIGNS OF FALL

SCIENCE

Students will demonstrate

- an increasing ability to recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #79: TREE LIFECYCLE

SCIENCE

Students will demonstrate

- an increasing ability to recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- an increasing ability to understand that organisms are linked to one another and to their physical setting by the transfer and transformation of matter and energy to maintain a dynamic equilibrium (3c; *Life Science*).
- an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #80: NOTHING SUCCEEDS LIKE SUCCESSION

SCIENCE

Students will demonstrate

- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- an increasing ability to understand fundamental structures, functions, and mechanisms of inheritance found in microorganisms, fungi, protists, plants, and animals (3d; *Life Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

MATHEMATICS

Students will

- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- develop an understanding of measurement and systems of measurement through experiences which enable them to use a variety of techniques, tools, and units of measurement to describe and analyze quantifiable phenomena (4c; *Geometry, Measurement and Trigonometry*).
- use data analysis, statistics and probability to analyze given situations and the outcomes of experiments (5a; *Data Analysis, Statistics, and Probability*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #81: LIVING WITH FIRE

SCIENCE

Students will demonstrate

- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability and willingness to apply economic concepts in the examination and resolution of problems and issues in educational, occupational, civic, and everyday settings (9; *Economics*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to apply their knowledge of geographic concepts, skills, and technology to interpret the past and present and to plan for the future (15; *Geography*).

Activity #82: RESOURCE-GO-ROUND

SCIENCE

Students will demonstrate

- an increasing ability to understand how technology is used to synthesize new products (2d; *Science, Technology, and Society*).
- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- an increasing ability to understand that organisms are linked to one another and to their physical setting by the transfer and transformation of matter and energy to maintain a dynamic equilibrium (3c; *Life Science*).
- an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- an increasing ability to understand the relationships among different types and forms of energy (5c; *Physical Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

Activity #83: REDUCE, REUSE, RECYCLE

SCIENCE

Students will demonstrate

- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).

SOCIAL STUDIES

Students will demonstrate

- the ability to analyze the potential costs and benefits of economic choices in market economies including wants and needs; scarcity; tradeoffs; and the role of supply and demand, incentives, and prices (5; *Economics*).
- the ability and willingness to apply economic concepts in the examination and resolution of problems and issues in educational, occupational, civic, and everyday settings (9; *Economics*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

MATHEMATICS

Students will

- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- use data analysis, statistics and probability to analyze given situations and the outcomes of experiments (5a; *Data Analysis, Statistics, and Probability*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #84: A PEEK AT PACKAGING

SCIENCE

Students will demonstrate

- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).

SOCIAL STUDIES

Students will demonstrate

- the ability and willingness to apply economic concepts in the examination and resolution of problems and issues in educational, occupational, civic, and everyday settings (9; *Economics*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #85: AIR TO DRIVE

SCIENCE

Students will

- demonstrate an increasing ability to analyze, synthesize, and communicate scientific information using technology (2c; *Science, Technology, and Society*).
- demonstrate an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- demonstrate an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- understand the meaning of models, their appropriate use and limitations, and how models can help them in understanding the natural world (6c; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

MATHEMATICS

Students will

- use problem-solving strategies to investigate and understand increasingly complex mathematical content (1a; *Problem-Solving and Reasoning*).
- recognize, develop, and explore mathematical connections (2b; *Communication and Connections*).
- compute (3c; *Numbers, Numeration, Operations, and Number Theory*).
- use data analysis, statistics and probability to analyze given situations and the outcomes of experiments (5a; *Data Analysis, Statistics, and Probability*).

Activity #86: OUR CHANGING WORLD

SCIENCE

Students will demonstrate

- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- an increasing ability to understand that organisms are linked to one another and to their physical setting by the transfer and transformation of matter and energy to maintain a dynamic equilibrium (3c; *Life Science*).
- an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- an increasing ability to recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system (6a; *Unifying Themes and Concepts*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #87: EARTH MANNERS

SCIENCE

Students will demonstrate

- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).

SOCIAL STUDIES

Students will demonstrate an understanding of

- the purpose of government and how government is established and organized (1; *Civics and Government*).
- the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #88: LIFE ON THE EDGE

SCIENCE

Students will demonstrate

- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- an increasing ability to recognize patterns and products of evolution, including genetic variation, specialization, adaptation, and natural selection (3a; *Life Science*).
- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate an understanding of

- the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

Activity #89: TREES FOR MANY REASONS

SCIENCE

Students will demonstrate

- an increasing ability to understand how technology is used to synthesize new products (2d; *Science, Technology, and Society*).
- an increasing ability to understand that progress in science and technology is controlled by societal attitudes and beliefs (2f; *Science, Technology, and Society*).
- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate an understanding of

- the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #90: THE NATIVE WAY

SCIENCE

Students will demonstrate

- an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to employ historical analysis, interpretation, and comprehension to make reasoned judgments and to gain an understanding, perspective, and appreciation of history and its uses in contemporary situations (16; *History*).
- a knowledge of the chronology and significant developments of world history including the study of ancient, medieval, and modern Europe (Western civilization) with particular emphasis on those developments that have shaped the experience of the entire globe over the last 500 years and those ideas, institutions, and cultural legacies that have directly influenced American thought, culture, and politics (18; *History*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in understanding, appreciating, interpreting, and critically analyzing classical and contemporary American and British literature as well as literary works translated into English (4; *Literature*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #91: IN THE GOOD OLD DAYS

SCIENCE

Students will demonstrate

- an increasing ability to understand that progress in science and technology is controlled by societal attitudes and beliefs (2f; *Science, Technology, and Society*).

SOCIAL STUDIES

Students will demonstrate

- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to employ historical analysis, interpretation, and comprehension to make reasoned judgments and to gain an understanding, perspective, and appreciation of history and its uses in contemporary situations (16; *History*).
- a knowledge of the chronology and significance of the unfolding story of America including the history of their community, New Hampshire, and the United States (17; *History*).
- a knowledge of the chronology and significant developments of world history including the study of ancient, medieval, and modern Europe (Western civilization) with particular emphasis on those developments that have shaped the experience of the entire globe over the last 500 years and those ideas, institutions, and cultural legacies that have directly influenced American thought, culture, and politics (18; *History*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in understanding, appreciating, interpreting, and critically analyzing classical and contemporary American and British literature as well as literary works translated into English (4; *Literature*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #92: A LOOK AT LIFESTYLES

SCIENCE

Students will demonstrate

- an increasing ability to understand how environmental factors affect all living systems (i.e. individuals, community, biome, the biosphere) as well as species interactions (3b; *Life Science*).
- an increasing ability to understand that the Earth is a complex planet with five interacting systems, which consists of the solid Earth (lithosphere), air (atmosphere), water (hydrosphere), ice (cryosphere), and life (biosphere) (4b; *Earth/Space Science*).
- an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability to analyze the potential costs and benefits of economic choices in market economies including wants and needs; scarcity; tradeoffs; and the role of supply and demand, incentives, and prices (5; *Economics*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to employ historical analysis, interpretation, and comprehension to make reasoned judgments and to gain an understanding, perspective, and appreciation of history and its uses in contemporary situations (16; *History*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in understanding, appreciating, interpreting, and critically analyzing classical and contemporary American and British literature as well as literary works translated into English (4; *Literature*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #93: PAPER CIVILIZATION

SOCIAL STUDIES

Students will demonstrate

- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to employ historical analysis, interpretation, and comprehension to make reasoned judgments and to gain an understanding, perspective, and appreciation of history and its uses in contemporary situations (16; *History*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #94: WHERE ARE THE CEDARS OF LEBANON?

SCIENCE

Students will demonstrate

- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).
- an increasing ability to understand that the Earth contains a variety of renewable and non-renewable resources (4c; *Earth/Space Science*).
- their understanding of the meaning of stability and change and will be able to identify and explain change in terms of cause and effect (6b; *Unifying Themes and Concepts*).

SOCIAL STUDIES

Students will demonstrate

- the ability to analyze the potential costs and benefits of economic choices in market economies including wants and needs; scarcity; tradeoffs; and the role of supply and demand, incentives, and prices (5; *Economics*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to employ historical analysis, interpretation, and comprehension to make reasoned judgments and to gain an understanding, perspective, and appreciation of history and its uses in contemporary situations (16; *History*).
- a knowledge of the chronology and significant developments of world history including the study of ancient, medieval, and modern Europe (Western civilization) with particular emphasis on those developments that have shaped the experience of the entire globe over the last 500 years and those ideas, institutions, and cultural legacies that have directly influenced American thought, culture, and politics (18; *History*).

Activity #95: DID YOU NOTICE?

SOCIAL STUDIES

Students will demonstrate

- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).
- the ability to apply their knowledge of geographic concepts, skills, and technology to interpret the past and present and to plan for the future (15; *Geography*).
- the ability to employ historical analysis, interpretation, and comprehension to make reasoned judgments and to gain an understanding, perspective, and appreciation of history and its uses in contemporary situations (16; *History*).
- a knowledge of the chronology and significance of the unfolding story of America including the history of their community, New Hampshire, and the United States (17; *History*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing, to gather and organize information in a variety of subject areas (5; *English Language Uses*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).

Activity #96: IMPROVE YOUR PLACE

SCIENCE

Students will demonstrate

- an increasing ability to understand that science and technology can affect individuals, and that individuals in turn can affect science and technology (2e; *Science, Technology, and Society*).

SOCIAL STUDIES

Students will demonstrate

- the ability and willingness to apply economic concepts in the examination and resolution of problems and issues in educational, occupational, civic, and everyday settings (9; *Economics*).
- the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information (10; *Geography*).
- an understanding of the physical and human geographic features that define places and regions (11; *Geography*).
- an understanding of the connections between Earth's physical and human systems; the consequences of the interaction between human and physical systems; and changes in the meaning, use, distribution, and importance of resources (14; *Geography*).

ENGLISH LANGUAGE ARTS

Students will demonstrate

- the interest and ability to speak purposefully and articulately, as well as listen and view attentively and critically (3; *Speaking, Listening, and Viewing*).
- competence in using the interactive language processes of reading, writing, speaking, listening, and viewing to communicate effectively (6; *English Language Uses*).
- competence in applying the interactive language processes of reading, writing, speaking, listening, and viewing to succeed in educational, occupational, civic, social, and everyday settings (7; *English Language Uses*).