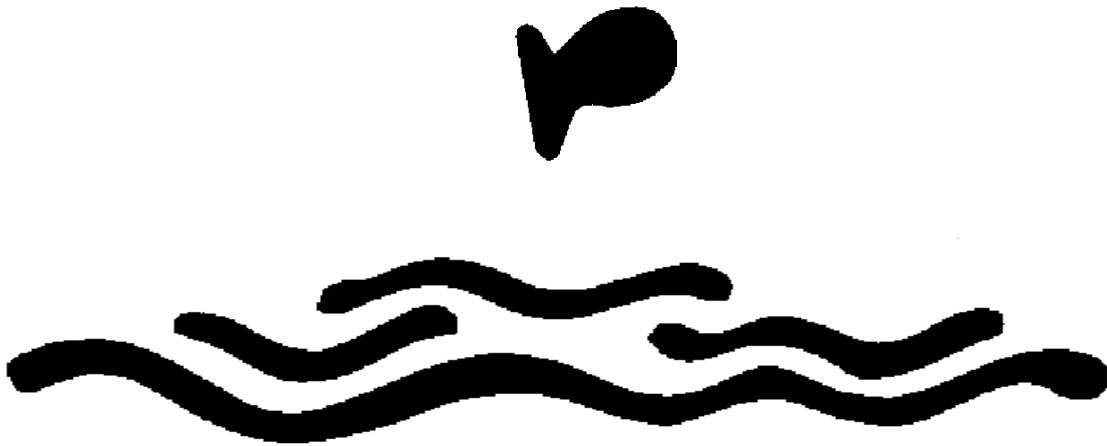


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Science Standards

Standard 5.1

All students will learn to identify systems of interacting components and understand how their interactions combine to produce the overall behavior of the system.

- .1 Recognize that most things are made of components that, when assembled, can do things they could not separately.

PLT activity #

- 23. The Fallen Log
- 27. Every Tree For Itself
- 32. A Forest For Many Uses
- 49. Tropical Treehouse

- .2 Recognize that since the components of a system usually influence one another, a system may not work if a component is missing.

PLT activity #

- 05. Poet-Tree
- 22. Trees As Habitats
- 27. Every Tree For Itself
- 32. A Forest Of Many Uses
- 45. Web Of Life
- 47. Are Vacant Lots Vacant?

- .3 Diagram the components of a system.

PLT activity #

- 44. Water Wonders
- 63E. Tree Factory

- .4 Describe components of a system and how they influence one another.

PLT activity #

- 22. Trees As Habitats
- 23. The Fallen Log
- 26. Dynamic Duos
- 38. Every Drop Counts
- 44. Water Wonders
- 45. Web Of Life
- 50. 400-Acre Wood
- 63E. Tree Factory
- 73. Waste Watchers
- 80. Nothing Succeeds Like Succession
- 85. Air To Drive
- 86. Our Changing World
- 92. A Look At Lifestyles

*E=extension activity

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- .5** Recognize that most systems are components of larger systems and that the output of one component can become the input to other components.

PLT activity #

- 44. Water Wonders
- 72. Air We Breathe
- 73. Waste Watchers
- 80. Nothing Succeeds Like Succession
- 86. Our Changing World

Standard 5.2

All students will develop problem-solving, decision-making, and inquiry skills, reflected by formulating usable questions and hypotheses, planning experiments, conducting systematic observations, interpreting and analyzing data, drawing conclusions, and communicating results.

- .1** State a problem about the natural world in the form of a question.

PLT activity #

- 23. The Fallen Log
- 24. Nature's Recyclers
- 25. Birds And Worms
- 27. Every Tree For Itself
- 31. Plant A Tree
- 36. Pollution Search
- 37. Talking Trash, Not!
- 41. How Plants Grow
- 49. Tropical Treehouse
- 77. Trees In Trouble
- 78. Signs Of Fall

- .2** Develop strategies and skills for information-gathering and problem-solving, using appropriate tools and technologies.

PLT activity #

- 21. Adopt A Tree
- 24. Nature's Recyclers
- 36. Pollution Search
- 37. Talking Trash, Not!
- 47. Are Vacant Lots Vacant?
- 48. Field, Forest, And Stream
- 49. Tropical Treehouse
- 49E. Tropical Treehouse

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- .4** Keep a journal record of observations, recognizing patterns of observations and summarizing findings.

PLT activity #

- 01. The Shape of Things
- 05. Poet-Tree
- 21. Adopt A Tree
- 24. Nature's Recyclers
- 37. Talking Trash, Not!
- 41. How Plants Grow
- 65. Bursting Buds

- .5** Learn what constitutes evidence and evaluate the data and information used to make explanations.

PLT activity #

- 24. Nature's Recyclers
- 42. Sunlight And Shades Of Green

- .6** Identify problems that can be solved by conducting experiments.

PLT activity #

- 41. How Plants Grow
- 70E. Soil Stories
- 77. Trees In Trouble
- 78. Signs Of Fall

- .7** Design and conduct experiments incorporating the use of a control.

PLT activity #

- 41. How Plants Grow
- 42. Sunlight and Shades of Green
- 72. Air We Breathe
- 77. Trees In Trouble
- 78. Signs Of Fall

- .8** Collect and organize data to support the results of an experiment.

PLT activity #

- 09. Planet of Plenty
- 24. Nature's Recyclers
- 29. Rain Reasons
- 38. Every Drop Counts
- 41. How Plants Grow
- 70E. Soil Stories
- 72. Air We Breathe
- 77. Trees In Trouble

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- .9** Communicate experimental findings using words, charts, graphs, pictures, and diagrams.

PLT activity #

- 09. Planet Of Plenty
- 24. Nature's Recyclers
- 25. Birds And Worms
- 38. Every Drop Counts
- 65. Bursting Buds
- 70E. Soil Stories
- 71. Watch On Wetlands
- 77. Trees In Trouble
- 80. Nothing Succeeds Like Succession
- 82. Resource-Go-Round

- .10** Evaluate the strengths and weaknesses of claims, arguments, and data.

PLT activity #

- 11. Can It Be Real?
- 32. A Forest Of Many Uses
- 33. Forest Consequences
- 50. 400-Acre Wood
- 56. We Can Work It Out
- 84. A Peek At Packaging
- 85. Air To Drive

- .11** Assess the risks and benefits associated with alternative actions.

PLT activity #

- 19. Values On The Line
- 32. A Forest Of Many Uses
- 33. Forest Consequences
- 35. Loving It Too Much
- 39. Energy Sleuths
- 50. 400-Acre Wood
- 56. We Can Work It Out
- 70E. Soil Stories
- 73. Waste Watchers
- 83. Reduce, Reuse, Recycle
- 84. A Peek At Packaging
- 85. Air To Drive
- 92. A Look At Lifestyles

Standard 5.3

All students will develop an understanding of how people of various cultures have contributed to the advancement of science and technology, and how major discoveries and events have advanced science and technology.

- .2 Recognize that scientific ideas and knowledge have come from men and women of all cultures.

PLT activity #

18. Tale Of The Sun
91. In The Good Old Days

- .3 Recognize that scientific theories emerge over time, depend on the contributions of many people, and reflect the social and political climate of their time.

PLT activity #

91. In The Good Old Days
92. A Look At Lifestyles

Standard 5.4

All students will develop an understanding of technology as an application of scientific principles.

- .2 Demonstrate how tools are used to do things better and more easily or to do tasks that could not otherwise be done.

PLT activity #

46. School Yard Safari
53. On The Move

- .7 Design and build simple mechanical devices to demonstrate scientific principles.

PLT activity #

51. Make Your Own Paper

- .9 Compare the advantages and disadvantages of alternative solutions to practical problems.

PLT activity #

39. Energy Sleuths
53. On The Move
83. Reduce, Reuse, Recycle
84. A Peek At Packaging

Standard 5.5

All students will integrate mathematics as a tool for problem-solving in science, and as a means of expressing and/or modeling scientific theories.

- .1** Judge whether estimates, measurements, and computations of quantities are reasonable.

PLT activity #

48. Field, Forest, And Stream

- .2** Use a variety of measuring instruments, emphasizing appropriate units.

PLT activity #

28. Air Plants

48. Field, Forest, And Stream

- .3** Use mathematical skills and concepts in ordering, counting, identifying, measuring, and describing.

PLT activity #

06. Picture This!

21. Adopt A Tree

25. Birds And Worms

76. Tree Cookies

- .4** Use tables and graphs to represent and interpret data.

PLT activity #

10. Charting Diversity

16. Pass The Plants, Please

22. Trees As Habitats

25. Birds And Worms

35. Loving It Too Much

38. Every Drop Counts

41. How Plants Grow

- .7** Infer mathematical relationships among variables using graphs, tables, and charts.

PLT activity #

35. Loving It Too Much

- .8** Express the output units of the calculation in terms of the input units.

PLT activity #

50. 400-Acre Wood

70E. Soil Stories

Standard 5.6

All students will gain an understanding of the structure, characteristics, and basic needs of organisms.

- .1** Compare and contrast living and nonliving things.

PLT activity #

- 11. Can It Be Real?
- 66. Germinating Giants
- 80. Nothing Succeeds Like Succession

- .2** Determine the basic needs of organisms.

PLT activity #

- 08. The Forest Of S.T. Shrew
- 24. Nature's Recyclers
- 27. Every Tree For Itself
- 41. How Plants Grow
- 48. Field, Forest, And Stream
- 49. Tropical Treehouse
- 63E. Tree Factory
- 64. Looking At Leaves
- 69. Forest For The Trees
- 77. Trees In Trouble
- 79. Tree Lifecycle

- .3** Show that living things have different levels of organization.

PLT activity #

- 66. Germinating Giants
- 80. Nothing Succeeds Like Succession

- .4** Show that plants and animals are composed of different parts serving different purposes and working together for the well-being of the organism.

PLT activity #

- 16. Pass the Plants, Please
- 41. How Plants Grow
- 43. Have Seeds, Will Travel
- 61. The Closer You Look
- 62. To Be A Tree
- 65. Bursting Buds
- 66. Germinating Giants

- .5** Describe life cycles of organisms.

PLT activity #

- 21. Adopt A Tree
- 24. Nature's Recyclers
- 43. Have Seeds, Will Travel
- 47. Are Vacant Lots Vacant?
- 65. Bursting Buds
- 76. Tree Cookies
- 77. Trees In Trouble
- 79. Tree Lifecycle

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .6 Group organisms according to the functions they serve in a food chain.

PLT activity #

- 08. The Forest Of S.T. Shrew
- 45. Web Of Life

- .11 Explain how organisms are affected by different components of an ecosystem and the flow of energy through it.

PLT activity #

- 09. Planet Of Plenty
- 23. The Fallen Log
- 29. Rain Reasons
- 32. A Forest Of Many Uses
- 36. Pollution Search
- 38. Every Drop Counts
- 44. Water Wonders
- 45. Web Of Life
- 65. Bursting Buds
- 70E. Soil Stories
- 71. Watch On Wetlands
- 80. Nothing Succeeds Like Succession

- .12 Illustrate and explain life cycles of organisms.

PLT activity #

- 43. Have Seeds, Will Travel
- 79. Tree Lifecycle

- .15 Explain how plants convert light energy to chemical energy.

PLT activity #

- 28. Air Plants
- 42. Sunlight And Shades Of Green

Standard 5.7 All students will investigate the diversity of life.
--

- .1 Recognize the diversity of plants and animals on earth.

PLT activity #

- 06. Picture This!
- 07. Habitat Pen Pals
- 08. The Forest Of S.T. Shrew
- 10. Charting Diversity
- 11. Can It Be Real?
- 49. Tropical Treehouse
- 61. The Closer You Look
- 64. Looking At Leaves
- 67. How Big Is Your Tree?
- 68. Name That Tree
- 88. Life On The Edge

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .2** Develop a simple classification scheme for grouping organisms.

PLT activity #

- 06. Picture This!
- 10. Charting Diversity
- 43. Have Seeds, Will Travel
- 64. Looking At Leaves
- 68. Name That Tree

- .3** Recognize that individuals vary within every species.

PLT activity #

- 11. Can It Be Real?
- 64. Looking At Leaves
- 66. Germinating Giants
- 67. How Big Is Your Tree?
- 68. Name That Tree

- .4** Identify and describe external features of plants and animals that help them survive in varied habitats.

PLT activity #

- 07. Habitat Pen Pals
- 10. Charting Diversity
- 21. Adopt A Tree
- 22. Trees As Habitats
- 25. Birds And Worms
- 46. School Yard Safari
- 47. Are Vacant Lots Vacant?
- 49. Tropical Treehouse
- 65. Bursting Buds
- 66. Germinating Giants

- .8** Discuss how changing environmental conditions can result in evolution of a species.

PLT activity #

- 10. Charting Diversity

- .9** Recognize that individual organisms with certain traits are more likely to survive and have offspring.

PLT activity #

- 88. Life On The Edge

Standard 5.8

All students will gain an understanding of the structure and behavior of matter.

- .1** Describe and sort objects according to the materials from which they are made and their physical properties.

PLT activity #

- 02. Get In Touch With Trees
- 03. Peppermint Beetle
- 12E. Tree Treasures

- .3** Investigate matter by observing materials under magnification.

PLT activity #

- 76. Tree Cookies

- .4** Identify characteristic properties of matter, and use one or more of those properties to separate a mixture of substances.

PLT activity #

- 01. The Shape of Things
- 03. Peppermint Beetle

Standard 5.9

All students will gain an understanding of natural laws as they apply to motion, forces, and energy transformations.

- .11** Describe the various forms of energy, including heat, light, sound, chemical, nuclear, mechanical, and electrical energy, and that energy can be transformed from one form to another.

PLT activity #

- 39. Energy Sleuths
- 73. Waste Watchers

Standard 5.10

All students will gain an understanding of the structure, dynamics, and geophysical systems of the earth.

- .3** Identify major sources and uses of water, discussing the forms in which it appears.

PLT activity #

- 44. Water Wonders

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .5 Compare different map projections, and explain how physical features are represented on each.

PLT activity #

70. Soil Stories

- .10 Investigate the composition, cycling, and distribution of the world's oceans and other naturally occurring sources of water.

PLT activity #

44. Water Wonders

Standard 5.12	All students will develop an understanding of the environment as a system of independent components affected by human activity and natural phenomena.
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- .1 Investigate the interdependence of living things and their environment.

PLT activity #

04. Sounds Around
05. Poet-Tree
07. Habitat Pen Pals
08. The Forest Of S.T. Shrew
12. Tree Treasures
13. We All Need Trees
14. Renewable Or Not?
20. Environmental Exchange Box
21. Adopt A Tree
22. Trees As Habitats
23. The Fallen Log
24. Nature's Recyclers
25. Birds And Worms
27. Every Tree For Itself
28. Air Plants
30. Three Cheers For Trees
32. A Forest Of Many Uses
36. Pollution Search
38. Every Drop Counts
42. Sunlight And Shades Of Green
45. Web Of Life
46. School Yard Safari
47. Are Vacant Lots Vacant?
48. Field, Forest, And Stream
49. Tropical Treehouse
54. I'd Like To Visit A Place Where...
63. Tree Factory
75. Tepee Talk
76. Tree Cookies
80. Nothing Succeeds Like Succession
81. Living With Fire
82. Resource-Go-Round
87. Earth Manners
88. Life On The Edge
89. Trees For Many Reasons

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- .2 Explain how meeting human requirements affects the environment.

PLT activity #

- 04. Sounds Around
- 07. Habitat Pen Pals
- 12. Tree Treasures
- 13. We All Need Trees
- 14. Renewable Or Not?
- 15. A Few Of My Favorite Things
- 30. Three Cheers For Trees
- 31. Plant A Tree
- 32. A Forest Of Many Uses
- 36. Pollution Search
- 37. Talking Trash, Not!
- 38. Every Drop Counts
- 48. Field, Forest, And Stream
- 63. Tree Factory
- 63E. Tree Factory
- 75. Tepee Talk
- 82. Resource-Go-Round
- 83. Reduce, Reuse, Recycle
- 87. Earth Manners
- 89. Trees For Many Reasons

- .3 Recognize that natural resources are not always renewable.

PLT activity #

- 12. Tree Treasures
- 14. Renewable Or Not?
- 15. A Few Of My Favorite Things
- 20. Environmental Exchange Box
- 27. Every Tree For Itself
- 30. Three Cheers For Trees
- 31. Plant A Tree
- 32. A Forest Of Many Uses
- 37. Talking Trash, Not!
- 38. Every Drop Counts
- 48. Field, Forest, And Stream
- 49. Tropical Treehouse
- 53. On The Move
- 76. Tree Cookies
- 81. Living With Fire
- 87. Earth Manners
- 89. Trees For Many Reasons
- 90. The Native Way

- 4** Evaluate the impact of personal and societal activities on the local and global environment.

PLT activity #

- 04. Sounds Around
- 12. Tree Treasures
- 14. Renewable Or Not?
- 15. A Few Of My Favorite Things
- 17. People Of The Forest
- 30. Three Cheers For Trees
- 33. Forest Consequences
- 34. Who Works In This Forest?
- 35. Loving It Too Much
- 36. Pollution Search
- 37. Talking Trash, Not!
- 40. Then And Now
- 48. Field, Forest, And Stream
- 49. Tropical Treehouse
- 50. 400-Acre Wood
- 53. On The Move
- 60. Publicize It!
- 69. Forest For The Trees
- 72. Air We Breathe
- 73. Waste Watchers
- 82. Resource-Go-Round
- 83. Reduce, Reuse, Recycle
- 84. A Peek At Packaging
- 85. Air To Drive
- 88. Life On The Edge
- 89. Trees For Many Reasons
- 90. The Native Way
- 92. A Look At Lifestyles
- 94. Where Are The Cedars Of Lebanon?
- 96. Improve Your Place



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- .5** Compare and contrast practices that affect the use and management of natural resources.

PLT activity #

- 13. We All Need Trees
- 14. Renewable Or Not?
- 15. A Few Of My Favorite Things
- 30. Three Cheers For Trees
- 32. A Forest Of Many Uses
- 33. Forest Consequences
- 34. Who Works In This Forest?
- 35. Loving It Too Much
- 36. Pollution Search
- 38. Every Drop Counts
- 39. Energy Sleuths
- 40. Then And Now
- 49. Tropical Treehouse
- 50. 400-Acre Wood
- 54. I'd Like To Visit A Place Where...
- 60. Publicize It!
- 69. Forest For The Trees
- 72. Air We Breathe
- 73. Waste Watchers
- 75. Tepee Talk
- 84. A Peek At Packaging
- 85. Air To Drive
- 88. Life On The Edge
- 89. Trees For Many Reasons
- 90. The Native Way
- 92. A Look At Lifestyles
- 94. Where Are The Cedars Of Lebanon?

- .6** Recognize that individuals and groups may have differing points of view on environmental issues.

PLT activity #

- 19. Values On The Line
- 32. A Forest Of Many Uses
- 33. Forest Consequences
- 40. Then And Now
- 49. Tropical Treehouse
- 50. 400-Acre Wood
- 54. I'd Like To Visit A Place Where...
- 56. We Can Work It Out
- 59. Power Of Print
- 60. Publicize It!
- 83. Reduce, Reuse, Recycle
- 84. A Peek At Packaging
- 89. Trees For Many Reasons
- 90. The Native Way
- 92. A Look At Lifestyles

- .7 Analyze the components of various ecosystems and the effects of those components on organisms.

PLT activity #

- 05. Poet-Tree
- 09. Planet Of Plenty
- 10. Charting Diversity
- 23. The Fallen Log
- 26. Dynamic Duos
- 35. Loving It Too Much
- 44. Water Wonders
- 45. Web Of Life
- 50. 400-Acre Wood
- 60. Publicize It!
- 70. Soil Stories
- 71. Watch On Wetlands
- 72. Air We Breathe
- 80. Nothing Succeeds Like Succession
- 85. Air To Drive
- 86. Our Changing World
- 88. Life On The Edge

- .8 Investigate the impact of natural phenomena and physical processes, such as earthquakes, volcanoes, forest fires, floods, and hurricanes, on the environment of different regions of the United States and the world.

PLT activity #

- 81. Living With Fire



Mathematics Standards

Standard 4.1

All students will develop the ability to pose and solve mathematical problems in mathematics, other disciplines, and everyday experiences.

- .1** Use discovery-oriented, inquiry-based, and problem-centered approaches to investigate and understand mathematical content appropriate to early elementary grades.

PLT activity #

67. How Big Is Your Tree?

- .2** Recognize, formulate, and solve problems arising from mathematical situations and everyday experiences.

PLT activity #

66E. Germinating Giants

- .4** Pose, explore, and solve a variety of problems, including non-routine problems and open-ended problems with several solutions and /or solution strategies.

PLT activity #

41. How Plants Grow

- .7** Know when to select and how to use grade-appropriate mathematical tools and methods (including manipulatives, calculators and computers, as well as mental math and paper-and-pencil techniques) as a natural and routine part of the problem-solving process.

PLT activity #

28. Air Plants

- .8** Determine, collect, organize, and analyze data needed to solve problems .

PLT activity #

06. Picture This!
25. Birds And Worms
37. Talking Trash, Not!
66E. Germinating Giants

- .9** Recognize that there may be multiple ways to solve a problem.

PLT activity #

67. How Big Is Your Tree?

- .11** Recognize, formulate, and solve problems arising from mathematical situations, everyday experiences, and applications to other disciplines.

PLT activity #

66E. Germinating Giants

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .12** Construct and use concrete, pictorial, symbolic, and graphical models to represent problem situations and effectively apply processes of mathematical modeling in mathematics and other areas.

PLT activity #

50. 400-Acre Wood

Standard 4.3

All students will connect mathematics to other learning by understanding the interrelationships of mathematical ideas and the roles that mathematics and mathematical modeling play in other disciplines and in life.

- .6** Recognize the connections between mathematics and other disciplines, and apply mathematical thinking and problem solving in those areas.

PLT activity #

38. Every Drop Counts
83. Reduce, Reuse, Recycle
85. Air To Drive

- .9** Use the process of mathematical modeling in mathematics and other disciplines, and demonstrate understanding of its methodology, strengths, and limitations.

PLT activity #

69. Forest For The Trees

- .11** Recognize situations in other disciplines in which mathematical models may be applicable, and apply appropriate models, mathematical reasoning, and problem solving to those situations.

PLT activity #

50. 400-Acre Wood
66E. Germinating Giants
83. Reduce, Reuse, Recycle

Standard 4.4

All students will develop reasoning ability and will become self-reliant, independent mathematical thinkers.

- .1** Make educated guesses and test them for correctness.

PLT activity #

67. How Big Is Your Tree?
76. Tree Cookies

- .2** Draw logical conclusions and make generalizations.

PLT activity #

67. How Big Is Your Tree?

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .10** Utilize mathematical reasoning skills in other disciplines and in their lives.

PLT activity #

- 38. Every Drop Counts
- 50. 400-Acre Wood
- 69. Forest For The Trees
- 83. Reduce, Reuse, Recycle
- 85. Air To Drive

Standard 4.5

All students will regularly and routinely use calculators, computers, manipulatives, and other mathematical tools to enhance mathematical thinking, understanding, and power.

- .3** Use a variety of technologies to discover number patterns, demonstrate number sense, and visualize geometric objects and concepts.

PLT activity #

- 01. The Shape Of Things

Standard 4.7

All students will develop spatial sense and an ability to use geometric properties and relationships to solve problems in mathematics and in every day life.

- .1** Explore spatial relationships such as the direction, orientation, and perspectives of objects in space, their relative shapes and sizes, and the relations between objects and their shadows or projections.

PLT activity #

- 01. The Shape Of Things
- 67. How Big is Your Tree?

- .2** Explore relationships among shapes, such as congruence, symmetry, similarity, and self-similarity.

PLT activity #

- 01. The Shape Of Things

- .4** Use properties of three- and two-dimensional shapes to identify, classify, and describe shapes.

PLT activity #

- 01. The Shape Of Things

- .10** Investigate the occurrence of geometry in nature, art, and other areas.

PLT activity #

- 01. The Shape Of Things

- .16** Develop, understand, and apply a variety of strategies for determining perimeter, area, surface area, angle measure, and volume.

PLT activity #

- 96. Improve Your Place

Standard 4.9

All students will develop an understanding of and will use measurement to describe and analyze phenomena.

- .1** Use and describe measures of length, distance, capacity, weight, area, volume, time, and temperature.

PLT activity #

- 28. Air Plants
- 67. How Big Is Your Tree?
- 76. Tree Cookies

- .2** Compare and order objects according to some measurable attribute.

PLT activity #

- 25. Birds And Worms
- 27. Every Tree For Itself
- 66E. Germinating Giants
- 67. How Big Is Your Tree?

- .3** Recognize the need for a uniform unit of measure.

PLT activity #

- 67. How Big Is Your Tree?

- .4** Develop and use personal referents for standard units of measure (such as the width of a finger to approximate a centimeter).

PLT activity #

- 67. How Big Is Your Tree?

- .5** Select and use appropriate standard and non-standard units of measurement to solve real-life problems.

PLT activity #

- 21E. Adopt A Tree
- 27. Every Tree For Itself
- 28. Air Plants
- 41. How Plants Grow
- 67. How Big Is Your Tree?

- .7** Use estimated and actual measurements to describe and compare phenomena.

PLT activity #

- 21E. Adopt A Tree
- 28. Air Plants
- 31. Plant A Tree
- 66E. Germinating Giants
- 70E. Soil Stories

- .11** Develop formulas and procedures for solving problems related to measurement.

PLT activity #

- 28. Air Plants

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .14 Understand and apply measurement in their own lives and in other subject areas.

PLT activity #

- 29. Rain Reasons
- 55. Planning The Ideal Community
- 70E. Soil Stories
- 73. Waste Watchers
- 85. Air To Drive

Standard 4.11

All students will develop an understanding of patterns, relationships, and functions and will use them to represent and explain real-world phenomena.

- .2 Use tables, rules, variables, open sentences, and graphs to describe patterns and other relationships.

PLT activity #

- 21. Adopt A Tree
- 22. Trees As Habitats
- 25. Birds And Worms

- .7 Represent and describe mathematical relationships with tables, rules, simple equations, and graphs.

PLT activity #

- 35. Loving It Too Much

Standard 4.12

All students will develop an understanding of statistics and probability and will use them to describe sets of data, model situations, and support appropriate inferences and arguments.

- .1 Formulate and solve problems that involve collecting, organizing, and analyzing data.

PLT activity #

- 76. Tree Cookies

- .5 Construct, read, and interpret displays of data such as pictographs, bar graphs, circle graphs, tables, and lists.

PLT activity #

- 25. Birds And Worms
- 36. Pollution Search
- 66. Germinating Giants

- .9 Generate, collect, organize, and analyze data and represent this data in tables, charts, and graphs.

PLT activity #

- 09. Planet Of Plenty
- 10. Charting Diversity
- 66. Geminating Giants
- 70E. Soil Stories

Standard 4.14 All students will apply the concepts and methods of discrete mathematics to model and explore a variety of practical situations.

.3 Identify and investigate sequences and patterns found in nature, art, and music.

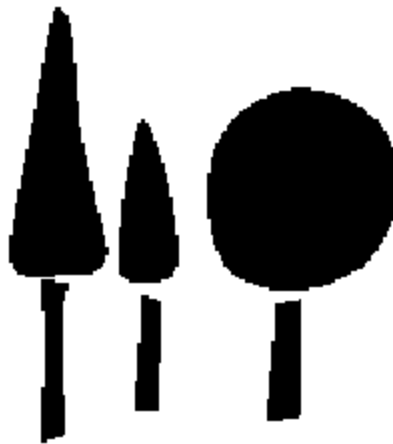
PLT activity #

- 06. Picture This!
- 76. Tree Cookies

.4 Investigate ways to represent and classify data according to attributes, such as shape or color, and relationships, and discuss the purpose and usefulness of such classification.

PLT activity #

- 06. Picture This!



Social Studies Standards

Standard 6.1

All students will learn democratic citizenship and how to participate in the constitutional system of government of the United States.

- .8 Analyze the functions of the executive, judicial, and legislative branches of government.

PLT activity #

- 56. We Can Work It Out
- 57. Democracy In Action
- 59. Power Of Print
- 71. Watch On Wetlands

- .9 Apply knowledge of governmental structure and process to school, town, and community life.

PLT activity #

- 56. We Can Work It Out
- 57. Democracy In Action
- 59. Power Of Print
- 71. Watch On Wetlands

- .11 Analyze the balance between the rights and responsibilities of citizens, and apply the analysis to understanding issues facing society in New Jersey and the United States.

PLT activity #

- 56. We Can Work It Out
- 58. There Ought To Be A Law
- 71. Watch On Wetlands

Standard 6.2

All students will learn democratic citizenship through the humanities, by studying literature, art, history and philosophy, and related fields.

- .1 Recognize human experiences through time, as depicted in works of history, and literature and in the fine arts.

PLT activity #

- 18. Tale Of The Sun

- .2 Identify social history represented in works of literature and the fine arts.

PLT activity #

- 18. Tale Of The Sun

- .3 Understand how works of aesthetic expression serve as cultural representations.

PLT activity #

- 18. Tale Of The Sun

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .4** Evaluate works, such as personal creations, which communicate a human condition or question.

PLT activity #

59. Power Of Print
91. In The Good Old Days

- .5** Compare and contrast examples of artistic and literary expression from different historical and social settings.

PLT activity #

In The Good Old Days

- .7** Analyze and explain different artistic, literary and historical depictions of the same subject.

PLT activity #

91. In The Good Old Days

Standard 6.3	All students will acquire historical understanding of political and diplomatic ideas, forces, and institutions throughout the history of New Jersey, the United States, and the World.
---------------------	--

- .3** Identify and explain how events and changes occurred in significant historical periods.

PLT activity #

95. Did You Notice?

- .5** Explain relationships between cause, effect, and consequences, in order to understand significant historical events.

PLT activity #

90. The Native Way

- .8** Understand issues, standards, and conflicts related to universal human rights.

PLT activity #

90. The Native Way

Standard 6.4	All students will acquire historical understanding of societal ideas and forces throughout the history of New Jersey, the United States, and the World.
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- .1** Compare and contrast similarities and differences in daily life over time.

PLT activity #

95. Did You Notice?

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .2 Identify social institutions, such as family, religion, and government, that function to meet individual and group needs.

PLT activity #

74. People, Places, Things

- .5 Compare and contrast developments in societies separated by time and/or distance.

PLT activity #

17. People Of The Forest

90. The Native Way

92. A Look At Lifestyles

93. Paper Civilizations

94. Where Are The Cedars Of Lebanon?

- .6 Compare and contrast fixed customs of societies in the past and the present, and explain how these customs represent the society's beliefs.

PLT activity #

17. People Of The Forest

75. Tepee Talk

90. The Native Way

Standard 6.5

All students will acquire historical understanding of varying cultures throughout the history of New Jersey, the United States, and the World.

- .1 Identify common elements found in different cultures.

PLT activity #

75. Tepee Talk

- .2 Describe ways that family members, teachers, and community groups influence students' daily lives.

PLT activity #

74. People, Places, Things

- .3 Describe the customs of people from different geographic, cultural, racial, religious, and ethnic backgrounds.

PLT activity #

18. Tale Of The Sun

- .5 Understand material artifacts of a culture.

PLT activity #

75. Tepee Talk

- .7 Analyze differences and similarities among cultures.

PLT activity #

- 17. People Of The Forest
- 49E. Tropical Treehouse
- 75. Tepee Talk
- 90. The Native Way
- 92. A Look At Lifestyles
- 94. Where Are The Cedars Of Lebanon?

- .9 Understand the customs of people from different geographic, cultural, racial, religious, and ethnic backgrounds.

PLT activity #

- 17. People Of The Forest
- 49E. Tropical Treehouse
- 92. A Look At Lifestyles

Standard 6.6

All students will acquire historical understanding of economic forces, ideas, and institutions throughout the history of New Jersey, the United States, and the World.

- .5 Illustrate the balance between economic growth and environmental preservation.

PLT activity #

- 30. Three Cheers For Trees
- 34. Who Works In This Forest?
- 50. 400-Acre Wood

- .10 Evaluate a decision about the balance between economic growth and environmental preservation.

PLT activity #

- 17. People Of The Forest
- 33. Forest Consequences
- 50. 400-Acre Wood
- 56. We Can Work It Out
- 69. Forest For The Trees
- 83. Reduce, Reuse, Recycle
- 84. A Peek At Packaging

Standard 6.7

All students will acquire geographical understanding by studying the World in spatial terms.

- .1 Use maps, globes, graphs, diagrams, and computer-based references and information systems to generate and interpret information.

PLT activity #

- 37. Talking Trash, Not!
- 53. On The Move
- 74. People, Places, Things

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .2** Use mental maps to identify the locations of places within the local community and in nearby communities.

PLT activity #

74. People, Places, Things

- .6** Recognize the distinct characteristics of maps, globes, graphs, charts, diagrams, and other geographical representations, and evaluate the utility of each in solving geographical problems.

PLT activity #

29. Rain Reasons

55. Planning The Ideal Community

- .7** Translate maps into appropriate graphics to display geographical information.

PLT activity #

55. Planning The Ideal Community

80. Nothing Succeeds Like Succession

- .8** Answer geographical questions regarding major physical and human characteristics.

PLT activity #

70E. Soil Stories

- .10** Compare information presented at different scales.

PLT activity #

29. Rain Reasons

Standard 6.8

All students will acquire geographical understanding by studying human systems in geography.

- .2** Discuss the similarities, differences, and interdependencies among rural, suburban, and urban communities.

PLT activity #

20. Environmental Exchange Box

30. Three Cheers For Trees

- .3** Compare the effects of geography on economic activities locally and in New Jersey, the United States, and different parts of the world.

PLT activity #

20. Environmental Exchange Box

- .5** Compare the physical characteristics of places and regions.

PLT activity #

20. Environmental Exchange Box

Project Learning Tree Environmental Education Activity Guide Pre K-8

.7 Identify the spatial patterns of settlement in different regions of the world.

PLT activity #

55. Planning The Ideal Community

.8 Explain the causes and effects of urbanization.

PLT activity #

30. Three Cheers For Trees

31. Plant A Tree

36. Pollution Search

37. Talking Trash, Not!

40. Then And Now

.9 Give reasons for the changes in spatial patterns of human activities.

PLT activity #

40. Then And Now

.11 Give reasons for global interdependence.

PLT activity #

73. Waste Watchers

82. Resource-Go-Round

86. Our Changing World

92. A Look At Lifestyles

94. Where Are The Cedars Of Lebanon?

.13 Analyze the impact of human migration on physical and human systems.

PLT activity #

36. Pollution Search

Standard 6.9

All students will acquire geographical understanding by studying the environment and society.

.1 Explain the characteristics of renewable and nonrenewable resources and their distribution, and the role of resources in daily life.

PLT activity #

12E. Tree Treasures

14. Renewable Or Not?

15. A Few Of My Favorite Things

31. Plant A Tree

34. Who Works In This Forest?

38. Every Drop Counts

87. Earth Manners

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .2** Explain how people depend on the physical environment and how they modify the environment.

PLT activity #

- 13. We All Need Trees
- 14. Renewable Or Not?
- 15. A Few Of My Favorite Things
- 31. Plant A Tree
- 34. Who Works In This Forest?
- 38. Every Drop Counts
- 53. On The Move
- 54. I'd Like To Visit A Place Where...
- 69. Forest For The Trees
- 75. Tepee Talk
- 81. Living With Fire
- 82. Resource-Go-Round
- 87. Earth Manners

- .3** Identify the consequences of natural environmental changes and crises and human modifications of the environment, and explain how an event in one location can have an impact upon another location.

PLT activity #

- 14. Renewable Or Not?
- 36. Pollution Search
- 37. Talking Trash, Not!
- 81. Living With Fire
- 82. Resource-Go-Round
- 88. Life On The Edge

- .4** Describe world patterns of resource distribution and utilization, and discuss the management and use of renewable and nonrenewable resources.

PLT activity #

- 14. Renewable Or Not?
- 15. A Few Of My Favorite Things
- 17. People Of The Forest
- 35. Loving It Too Much
- 38. Every Drop Counts
- 39. Energy Sleuths
- 52. A Look At Aluminum
- 73. Waste Watchers
- 84. A Peek At Packaging
- 85. Air To Drive
- 86. Our Changing World
- 88. Life On The Edge
- 94. Where Are The Cedars Of Lebanon?

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .5** Explain and predict how the physical environment can accommodate, and be affected by human activity.

PLT activity #

- 05. Poet-Tree
- 14. Renewable Or Not?
- 30. Three Cheers For Trees
- 32. A Forest Of Many Uses
- 33. Forest Consequences
- 35. Loving It Too Much
- 36. Pollution Search
- 38. Every Drop Counts
- 39. Energy Sleuths
- 40. Then And Now
- 49. Tropical Treehouse
- 50. 400-Acre Wood
- 52. A Look At Aluminum
- 53. On The Move
- 54. I'd Like To Visit A Place Where...
- 55. Planning The Ideal Community
- 56. We Can Work It Out
- 69. Forest For The Trees
- 70E. Soil Stories
- 71. Watch On Wetlands
- 72. Air We Breathe
- 73. Waste Watchers
- 82. Resource-Go-Round
- 83. Reduce, Reuse, Recycle
- 84. A Peek At Packaging
- 85. Air To Drive
- 86. Our Changing World
- 88. Life On The Edge
- 92. A Look At Lifestyles
- 94. Where Are The Cedars Of Lebanon?
- 96. Improve Your Place

- .6** Evaluate policies and programs related to the use of resources locally and globally.

PLT activity #

- 36. Pollution Search
- 37. Talking Trash, Not!

- .7** Draw conclusions regarding the global impact of human modification of the environment.

PLT activity #

- 31. Plant A Tree
- 49. Tropical Treehouse

- .8** Evaluate the environmental consequences of technological change in human history.

PLT activity #

- 36. Pollution Search

Language Arts Standards

Standard 3.1	All students will speak for a variety of real purposes and audiences.
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.3 Use oral communication to influence the behavior of others.

PLT activity #

12E. Tree Treasures

.5 Participate in collaborative speaking activities, such as choral reading, plays, and reciting of poems.

PLT activity #

04E. Sounds Around

.6 Participate in discussion by alternating the roles of speaker and listener.

PLT activity #

09E. Planet of Plenty

12E. Tree Treasures

21E. Adopt A Tree

27E. Every Tree For Itself

.7 Talk with others to identify, explore, and solve problems.

PLT activity #

01. The Shape Of Things

02. Get In Touch With Trees

03. Peppermint Beetle

06. Picture This!

07. Habitat Pen Pals

12E. Tree Treasures

13. We All Need Trees

22. Trees As Habitats

24. Nature's Recyclers

56. We Can Work It Out

57E. Democracy In Action

58. There Ought To Be A Law

87. Earth Manners

.8 Speak before a group to express thoughts and ideas, convey an opinion, present information, and tell a story.

PLT activity #

02. Get In Touch With Trees

09E. Planet of Plenty

10. Charting Diversity

11. Can It Be Real?

22. Trees As Habitats

24. Nature's Recyclers

33. Forest Consequences

46. School Yard Safari

56. We Can Work It Out

79. Tree Lifecycle

91E. In The Good Old Days

94. Where Are The Cedars Of Lebanon?

Project Learning Tree Environmental Education Activity Guide Pre K-8

.12 Tell, retell, summarize, and paraphrase ideas.

PLT activity #

91E. In The Good Old Days

.13 Use visual aids and nonverbal behaviors to support spoken messages.

PLT activity #

91E. In The Good Old Days

.14 Use clear, concise, organized language in speaking situations.

PLT activity #

17. People Of The Forest

19. Values On The Line

92. A Look At Lifestyles

94. Where Are The Cedars Of Lebanon?

.15 Speak before a group to defend an opinion and present an oral interpretation.

PLT activity #

11. Can It Be Real?

19. Values On The Line

33. Forest Consequences

71. Watch On Wetlands

94. Where Are The Cedars Of Lebanon?

.17 Conduct an informational interview.

PLT activity #

40. Then And Now

55. Planning The Ideal Community

57. Democracy In Action

Standard 3.2

All students will listen actively in a variety of situations to information from a variety of sources.

.2 Demonstrate comprehension of a story, interview, and oral report of an event or incident.

PLT activity #

08. The Forest Of S.T. Shrew

18. Tale Of The Sun

36. Pollution Search

90. The Native Way

.3 Listen for a variety of purposes, such as enjoyment and obtaining information.

PLT activity #

08. The Forest of S.T. Shrew

11. Can It Be Real?

18. Tale Of The Sun

46. School Yard Safari

49E. Tropical Treehouse

59. Power Of Print

62. To Be A Tree

78. Signs Of Fall

87. Earth Manners

88. Life On The Edge

89E. Trees For Many Reasons

90. The Native Way

Project Learning Tree Environmental Education Activity Guide Pre K-8

- .6 Develop listening strategies, such as asking relevant questions, taking notes, and making predictions, to understand what is heard.

PLT activity #

13. We All Need Trees

- .7 Follow oral instructions.

PLT activity #

10. Charting Diversity

- .8 Demonstrate comprehension of, and appropriate listener response, (e.g., listening attentively) to, an oral report, discussion, and interview.

PLT activity #

42. Sunlight And Shades of Green

44. Water Wonders

45. Web Of Life

49E. Tropical Treehouse

72. Air We Breathe

90. The Native Way

91E. In The Good Old Days

93. Paper Civilizations

- .10 Recognize persuasive techniques and credibility in oral communication.

PLT activity #

56. We Can Work It Out

59. Power of Print

60. Publicize It!

Standard 3.3

All students will write in clear, concise, organized language that varies in content and form for different audiences and purposes.

- .1 Use speaking, listening, reading, and viewing to assist with writing.

PLT activity #

05. Poet-Tree

07. Habitat Pen Pals

08. The Forest of S.T. Shrew

95. Did You Notice?

- .2 Write from experiences, thoughts, and feelings.

PLT activity #

02. Get In Touch With Trees

04. Sounds Around

05. Poet-Tree

21E. Adopt A Tree

89. Trees For Many Reasons

95. Did You Notice?

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- .3** Use writing to extend experience.

PLT activity #

- 02. Get In Touch With Trees
- 04. Sounds Around
- 07. Habitat Pen Pals
- 08. The Forest Of S.T. Shrew
- 18. Tale Of The Sun
- 47. Are Vacant Lots Vacant?
- 53. On The Move
- 89. Trees For Many Reasons
- 93. Paper Civilizations
- 95. Did You Notice?

- .4** Write for a variety of purposes, such as to persuade, enjoy, entertain, learn, inform, record, respond to reading, and solve problems.

PLT activity #

- 04. Sounds Around
- 07. Habitat Pen Pals
- 21E. Adopt A Tree
- 24. Nature's Recyclers
- 44. Water Wonders
- 78. Signs Of Fall
- 83. Reduce, Reuse, Recycle
- 89. Trees For Many Reasons

- .7** Use a variety of strategies and activities, such as brainstorming, listing, discussion, drawing, role playing, note-taking, and journal writing, for finding and developing ideas about which to write.

PLT activity #

- 05. Poet-Tree
- 21E. Adopt A Tree
- 45. Web Of Life
- 80. Nothing Succeeds Like Succession

- .8** Write to synthesize information from multiple sources.

PLT activity #

- 23. The Fallen Log

- .15** Understand that written communication can affect the behavior of others.

PLT activity #

- 59. Power Of Print
- 60. Publicize It!

- .16** Write technical materials, such as instructions for playing a game, that include specific details.

PLT activity #

- 09. Planet Of Plenty
- 71. Watch On Wetlands

Standard 3.4

All students will read a variety of materials and texts with comprehension and critical analysis.

- .1** Use listening, speaking, writing, and viewing to assist with reading.

PLT activity #

93. Paper Civilizations

- .2** Listen and respond to whole texts.

PLT activity #

11. Can It Be Real?

- .3** Understand that authors write for different purposes, such as persuading, informing, entertaining, and instructing.

PLT activity #

18. Tale Of The Sun

36. Pollution Search

68. Name That Tree

90. The Native Way

91. In The Good Old Days

- .4** Use reading for different purposes, such as enjoyment, learning, and problem-solving.

PLT activity #

08. The Forest of S.T. Shrew

- .5** Read independently a variety of literature written by authors of different cultures, ethnicities, genders, and ages.

PLT activity #

18. Tale Of The Sun

- .6** Read literally, inferentially, and critically.

PLT activity #

07. Habitat Pen Pals

- .8** Read with comprehension.

PLT activity #

18. Tale Of The Sun

- .9** Use prior knowledge to extend reading ability and comprehension and to link aspects of the text with experiences and people in their own lives.

PLT activity #

08. The Forest Of S.T. Shrew

80. Nothing Succeeds Like Succession

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- .10** Identify passages in the text that support their point of view.
- PLT activity #**
80. Nothing Succeeds Like Succession
- .11** Distinguish personal opinions and points of view from those of the author, and distinguish fact from opinion.
- PLT activity #**
08. The Forest Of S.T. Shrew
- .16** Read and use printed materials and technical manuals from other disciplines, such as science, social studies, mathematics, and applied technology.
- PLT activity #**
07. Habitat Pen Pals
13. We All Need Trees
93. Paper Civilizations
- .18** Begin to identify common aspects of human existence.
- PLT activity #**
- 49E. Tropical Treehouse
90. The Native Way
- .19** Recognize propaganda and bias in written texts.
- PLT activity #**
59. Power Of Print
- .20** Analyze main ideas and supportive details.
- PLT activity #**
- 49E. Tropical Treehouse
59. Power Of Print
72. Air We Breathe
86. Our Changing World
90. The Native Way
92. A Look At Lifestyles
- .21** Analyze text using patterns of organization, such as cause and effect, comparison and contrast.
- PLT activity #**
72. Air We Breathe
- .22** Analyze text for the purpose, ideas, and style of the author.
- PLT activity #**
26. Dynamic Duos

Standard 3.5	All students will view, understand, and use nontextual visual information.
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.1 Use speaking, listening, writing, and reading to assist with viewing.

PLT activity #

01. The Shape Of Things

.2 Demonstrate the ability to gain information from a variety of media.

PLT activity #

07. Habitat Pen Pals

.7 Use symbols, drawings, and illustrations to represent information that supports and/or enhances their writing.

PLT activity #

41. How Plants Grow

65. Bursting Buds

.8 Use simple charts, graphs, and diagrams to report data.

PLT activity #

10. Charting Diversity

24. Nature's Recyclers

82. Resource-Go-Round

.9 Distinguish between factual and fictional visual representations.

PLT activity #

11. Can It Be Real?

.13 Choose and use multiple forms of media to convey what has been learned.

PLT activity #

58. There Ought To Be A Law

93. Paper Civilizations



Visual and Performing Arts Standards

Standard 1.2 All students will refine perceptual, physical, and technical skills through creating dance, music, theater, and /or visual arts.

- .1 Demonstrate performance and participations skills by working and creating individually and with others.

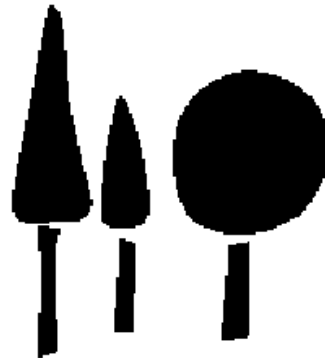
PLT activity #

- 07. Habitat Pen Pals
- 12E. Tree Treasures
- 42. Sunlight And Shades Of Green
- 49E. Tropical Treehouse
- 61. The Closer You Look
- 62E. To Be A Tree
- 64E. Looking At Leaves
- 65. Bursting Buds
- 74. People, Places, Things
- 76. Tree Cookies
- 79. Tree Lifecycle
- 80. Nothing Succeeds Like Succession
- 87. Earth Manners
- 93. Paper Civilizations
- 95E. Did You Notice?

- .2 Demonstrate technical skills in dance, music, theater, or visual arts, appropriate to students' developmental level.

PLT activity #

- 55E. Planning The Ideal Community



- .3** Create, produce, or perform works of dance, music, theater, or visual arts, individually and with others.

PLT activity #

- 09E. Planet Of Plenty
- 11. Can It Be Real?
- 15. A Few Of My Favorite Things
- 38. Every Drop Counts
- 43. Have Seeds, Will Travel
- 45. Web Of Life
- 50. 400-Acre Wood
- 52. A Look At Aluminum
- 53E. On The Move
- 55E. Planning The Ideal Community
- 58. There Ought To Be A Law
- 60. Publicize It!
- 75. Tepee Talk
- 80. Nothing Succeeds Like Succession
- 89E. Trees For Many Reasons
- 93. Paper Civilizations
- 94. Where Are The Cedars Of Lebanon?
- 95E. Did You Notice?
- 96E. Improve Your Place

Standard 1.3

All students will utilize arts elements and arts media to produce artistic products and performances.

- .1** Apply elements and media common to the arts to produce a work of art.

PLT activity #

- 01. The Shape Of Things
- 08. The Forest Of S.T. Shrew
- 30. Three Cheers For Trees
- 36. Pollution Search
- 41. How Plants Grow
- 46. School Yard Safari
- 47E. Are Vacant Lots Vacant?
- 49E. Tropical Treehouse

- .2** Demonstrate appropriate use of technology, tools, terminology, techniques, and media in the creation of dance, music, theater, or visual arts.

PLT activity #

- 51. Make Your Own Paper
- 57E. Democracy In Action
- 64. Looking At Leaves
- 95E. Did You Notice?

Standard 1.5

All students will identify the various historical, social, and cultural influences and traditions which have generated artistic accomplishments throughout the ages, and which continue to shape contemporary arts.

- .4 Use their senses, imagination, and memory to express ideas and feelings in dance, music, theater, and visual arts.

PLT activity #

32. A Forest Of Many Uses
49E. Tropical Treehouse

Standard 1.6

All students will develop design skills for planning the form and function of space, structures, objects, sound and events.

- .1 Identify and state needs and opportunities for design in the contexts of home, school, recreation, and play.

PLT activity #

75. Tepee Talk

- .2 Plan and execute solutions to design problems.

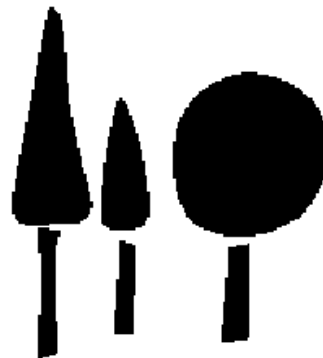
PLT activity #

54. I'd Like To Visit A Place Where...

- .3 Identify and solve design problems in space, structures, objects, sound, and/or events for home and workplace.

PLT activity #

- 53E. On The Move
96. Improve Your Place



Comprehensive Health and Physical Education Standards

Standard 2.1 All students will learn health promotion and disease prevention concepts and health-enhancing behaviors.

- .1 Describe a healthy child and identify factors that contribute to good health.

PLT activity #

16. Pass The Plants, Please

Standard 2.5 All students will learn and apply movement concepts and skills that foster participation in physical activities throughout life.

- .1 Perform locomotor (walk, run, jump), non-locomotor (bend, reach, turn), and manipulative (throw, strike, kick) movement skills.

PLT activity #

25. Birds And Worms

63E. Tree Factory

68. Name That Tree

81. Living With Fire

- .3 Adapt movement skills in relation to objects, other participants, and boundaries.

PLT activity #

63E. Tree Factory

81. Living With Fire

World Languages Standards

Standard 7.2 All students will be able to demonstrate an understanding of the interrelationship between language and culture for at least one world language in addition to English.

- .1 Demonstrate an awareness of culture.

PLT activity #

18. Tale Of The Sun

Cross Content Workplace Readiness Standards

Standard 1 All students will develop career planning and workplace readiness skills.

- .1** Demonstrate employability skills and work habits, such as work ethic, dependability, promptness, and getting along with others, needed to get and keep a job.

PLT activity #

22. Trees As Habitats

Standard 2 All students will use information, technology, and other tools.

- .1** Understand how technological systems function.

PLT activity #

52. A Look At Aluminum

- .6** Access and assess information on specific topics using both technological (e.g., computer, telephone, satellite) and print resources available in libraries or media centers.

PLT activity #

45. Web Of Life

- .7** Use technology and other tools to solve problems, collect data, and make decisions.

PLT activity #

46. School Yard Safari

- .9** Use technology to present designs and results of investigations.

PLT activity #

47. Are Vacant Lots Vacant?

51E. Make Your Own Paper

Standard 3 All students will use critical thinking, decision making, and problem-solving skills.

- .1** Recognize and define a problem, or clarify decisions to be made.

PLT activity #

01. The Shape Of Things

02. Get In Touch With Trees

13. We All Need Trees

36. Pollution Search

38. Every Drop Counts

49E. Tropical Treehouse

50. 400-Acre Wood

- .2 Use models, relationships, and observations to clarify problems, and potential solutions.

PLT activity #

- 14. Renewable Or Not?
- 36. Pollution Search
- 44. Water Wonders
- 49E. Tropical Treehouse
- 50. 400-Acre Wood
- 66. Germinating Giants
- 69. Forest For The Trees
- 82. Resource-Go-Round

- .3 Formulate questions and hypotheses.

PLT activity #

- 42E. Sunlight And Shades Of Green

- .4 Identify and access resources, sources of information, and services in the school and the community.

PLT activity #

- 16. Pass The Plants, Please
- 45. Web Of Life
- 53. On The Move
- 55. Planning The Ideal Community
- 57. Democracy In Action
- 58. There Ought To Be A Law
- 71. Watch On Wetlands
- 75E. Tepee Talk
- 76E. Tree Cookies
- 79. Tree Lifecycle
- 86. Our Changing World
- 88. Life On The Edge
- 90. The Native Way
- 91. In The Good Old Days
- 94. Where Are The Cedars Of Lebanon?
- 94E. Where Are The Cedars Of Lebanon?
- 95. Did You Notice?



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- .5 Use library media center as a critical resource for inquiry and assessment of print and nonprint materials.

PLT activity #

- 11E. Can It Be Real?
- 12E. Tree Treasures
- 17. People Of The Forest
- 26. Dynamic Duos
- 39. Energy Sleuths
- 45. Web Of Life
- 46. School Yard Safari
- 46E. School Yard Safari
- 57. Democracy In Action
- 58. There Ought To Be A Law
- 59E. Power Of Print
- 71. Watch On Wetlands
- 75E. Tepee Talk
- 79. Tree Lifecycle
- 81. Living With Fire
- 86. Our Changing World
- 88. Life On The Edge
- 90. The Native Way
- 91. In The Good Old Days
- 94. Where Are The Cedars Of Lebanon?
- 94E. Where Are The Cedars Of Lebanon?
- 95. Did You Notice?

- .6 Plan experiments.

PLT activity #

- 24. Nature's Recyclers
- 29. Rain Reasons
- 41. How Plants Grow
- 42E. Sunlight And Shades Of Green
- 72E. Air We Breathe
- 81. Living With Fire

- .7 Conduct systematic observations.

PLT activity #

- 01. The Shape Of Things
- 03. Peppermint Beetle
- 9E. Planet Of Plenty
- 16. Pass The Plants, Please
- 22. Trees As Habitats
- 24. Nature's Recyclers
- 29. Rain Reasons
- 41. How Plants Grow
- 47. Are Vacant Lots Vacant?
- 48. Field, Forest, And Stream
- 65. Bursting Buds
- 70. Soil Stories
- 71. Watch On Wetlands
- 72E. Air We Breathe
- 73. Waste Watchers
- 76E. Tree Cookies
- 81. Living With Fire
- 85. Air To Drive

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- .8** Organize, synthesize, and evaluate information for appropriateness and completeness.

PLT activity #

- 01. The Shape Of Things
- 9E. Planet Of Plenty
- 22. Trees As Habitats
- 36. Pollution Search
- 41. How Plants Grow
- 70. Soil Stories
- 71. Watch On Wetlands

- .9** Identify patterns and investigate relationships.

PLT activity #

- 01. The Shape Of Things
- 9E. Planet Of Plenty
- 29. Rain Reasons
- 44. Water Wonders
- 82. Resource-Go-Round
- 85. Air To Drive

- .10** Monitor and validate their own thinking.

PLT activity #

- 14. Renewable Or Not?
- 19. Values On The Line
- 33. Forest Consequences
- 92. A Look At Lifestyles

- .11** Identify and evaluate the validity of alternative solutions.

PLT activity #

- 19. Values On The Line
- 33. Forest Consequences
- 38. Every Drop Counts
- 39. Energy Sleuths
- 50. 400-Acre Wood
- 52. A Look At Aluminum
- 53. On The Move
- 56. We Can Work It Out
- 83. Reduce, Reuse, Recycle
- 84. A Peek At Packaging
- 96. Improve Your Place

- .12** Interpret and analyze data to draw conclusions.

PLT activity #

- 29. Rain Reasons
- 41. How Plants Grow
- 70. Soil Stories
- 71. Watch On Wetlands
- 72E. Air We Breathe
- 82. Resource-Go-Round

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- .13** Select and apply appropriate solutions to problem-solving and decision-making situations.

PLT activity #

- 33. Forest Consequences
- 56. We Can Work It Out
- 82. Resource-Go-World
- 96. Improve Your Place

- .14** Evaluate the effectiveness of various solutions.

PLT activity #

- 14. Renewable Or Not?
- 33. Forests Consequences
- 96. Improve Your Place

- .15** Apply problem-solving skills to original and creative/design projects.

PLT activity #

- 01. The Shape Of Things
- 36. Pollution Search
- 51E. Make Your Own Paper
- 55. Planning The Ideal Community

Standard 4 All students will demonstrate self-management skills.

- .1** Set short and long term goals.

PLT activity #

- 31E. Plant A Tree
- 41. How Plants Grow
- 57. Democracy In Action



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- .2 Work cooperatively with others to accomplish a task.

PLT activity #

- 9E. Planet Of Plenty
- 10. Charting Diversity
- 13. We All Need Trees
- 14. Renewable Or Not?
- 17. People Of The Forest
- 22. Trees As Habitats
- 23. The Fallen Log
- 24. Nature's Recyclers
- 29. Rain Reasons
- 31E. Plant A Tree
- 32. A Forest Of Many Uses
- 33. Forest Consequences
- 39. Energy Sleuths
- 44. Water Wonders
- 45. Web Of Life
- 46. School Yard Safari
- 47. Are Vacant Lots Vacant?
- 48. Field, Forest, And Stream
- 49E. Tropical Treehouse
- 50. 400-Acre Wood
- 52. A Look At Aluminum
- 53. On The Move
- 55. Planning The Ideal Community
- 57. Democracy In Action
- 58. There Ought To Be A Law
- 59E. Power Of Print
- 63. Tree Factory
- 68. Name That Tree
- 69. Forest For The Trees
- 70. Soil Stories
- 71. Watch On Wetlands
- 72E. Air We Breathe
- 76E. Tree Cookies
- 80E. Nothing Succeeds Like Succession
- 81. Living With Fire
- 81E. Living With Fire
- 83. Reduce, Reuse, Recycle
- 84. A Peek At Packaging
- 85. Air To Drive
- 86. Our Changing World
- 88. Life On The Edge
- 89. Trees For Many Reasons
- 91. In The Good Old Days
- 92. A Look At Lifestyles
- 93. Paper Civilizations
- 94. Where Are The Cedars Of Lebanon?
- 95. Did You Notice?

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.3 Evaluate their own actions and accomplishments.

PLT activity #

- 14. Renewable Or Not?
- 20. Environmental Exchange Box
- 31E. Plant A Tree
- 53. On The Move
- 73. Waste Watchers

.5 Provide constructive criticism to others.

PLT activity #

- 12E. Tree Treasures

.6 Describe actions which demonstrate respect for people of different races, ages, religions, ethnicity and gender.

PLT activity #

- 18. Tale Of The Sun
- 94. Where Are The Cedars Of Lebanon?

.7 Describe the roles people play in groups.

PLT activity #

- 13. We All Need Trees
- 44. Water Wonders

.9 Use time efficiently and effectively.

PLT activity #

- 19. Values On The Line

.10 Apply study skills to expand their own knowledge and skills.

PLT activity #

- 26. Dynamic Duos

