

Green Valleys Association
2012 Summer Nature Day Camps

Each camp week’s topics of discussion and activities
address the following, Pennsylvania Academic Standards for
Science and Technology and Environment and Ecology:

| Preschool & Kindergarten – from the PA Learning Standards for Early Childhood | | |
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| <i>Camps</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
| Fun Flyers Slimy, Scaly Friends Nighttime Neighbors Nature in My Backyard Mother Nature’s Artists Nature’s Fairytales | 3.1a Living and Non-Living Organisms | 4.1 Watersheds and Wetlands |
| Water Sense | 3.1a Living and Non-Living Organisms 3.3a Earth and Space Sciences Structure, Processes and Cycles | 4.1 Watersheds and Wetlands 4.2 Renewable and Nonrenewable Resources 4.3 Environmental Health 4.9 Environmental Laws and Regulations |
| Creeping, Crawling Critters | | 4.1 Watersheds and Wetlands 4.6 Ecosystems and Their interactions |

Grades 1 & 2 – from the PA Learning Standards for Early Childhood

| <i>Camps</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
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| Nature’s Artists Outdoor Skills | 3.1 Unifying Themes 3.2 Inquiry and Design 3.3 Biological Sciences | 4.2 Renewable and Nonrenewable Resources 4.6 Ecosystems and Their interactions |
| Water World | 3.1 Unifying Themes 3.3 Biological Sciences 3.5 Earth Sciences | 4.1 Watersheds and Wetlands 4.2 Renewable and Nonrenewable Resources 4.3 Environmental Health 4.6 Ecosystems and Their interactions 4.7 Threatened, Endangered and Extinct Species 4.8 Humans and the Environment |
| Hooray for Herps! Backyard Wildlife Big on Bugs | 3.1 Unifying Themes 3.2 Inquiry and Design 3.3 Biological Sciences | 4.1 Watersheds and Wetlands 4.2 Renewable and Nonrenewable Resources 4.3 Environmental Health 4.6 Ecosystems and Their interactions 4.7 Threatened, Endangered and Extinct Species |
| Wing It Creatures of the Night | 3.1 Unifying Themes 3.2 Inquiry and Design 3.3 Biological Sciences | 4.2 Renewable and Nonrenewable Resources 4.3 Environmental Health 4.6 Ecosystems and Their interactions 4.7 Threatened, Endangered and Extinct Species |

| Grade 3 | | |
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| <i>Camp</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
| <p>Wing It</p> <p>Hooray for Herps!</p> <p>Creatures of the Night</p> <p>Backyard Wildlife</p> <p>Big on Bugs</p> | <p>3.1 Biological Sciences: A. Organisms and Cells</p> | <p>4.1 Ecology: A. The Environment C. Energy Flow D. Biodiversity</p> |
| <p>Nature's Artists</p> | <p>3.1 Biological Sciences: B. Genetics</p> | <p>4.1 Ecology: A. The Environment D. Biodiversity</p> |
| <p>Outdoor Skills</p> | | <p>4.1 Ecology: A. The Environment D. Biodiversity</p> |
| <p>Water World</p> | <p>3.1 Biological Sciences: A. Organisms and Cells</p> | <p>4.1 Ecology: A. The Environment C. Energy Flow D. Biodiversity</p> <p>4.2 Watersheds and Wetlands: A. Watersheds C. Aquatic Ecosystems</p> <p>4.5 Humans and the Environment: C. Pollution</p> |

| Grade 4 | | |
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| <i>Camp</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
| <p>On the Wing</p> <p>Herpetology 101</p> <p>Nature’s Nightlife</p> <p>Wild Backyard</p> <p>Inside the Insect World</p> | <p>3.1 Biological Sciences: A. Organisms and Cells</p> | <p>4.1 Ecology: A. The Environment C. Energy Flow D. Biodiversity</p> |
| <p>Artwork in Nature</p> | <p>3.1 Biological Sciences: B. Genetics</p> | <p>4.1 Ecology: D. Biodiversity</p> |
| <p>Into the Wild</p> | | <p>4.1 Ecology: D. Biodiversity</p> |
| <p>Water Everywhere</p> | <p>3.1 Biological Sciences: A. Organisms and Cells</p> | <p>4.1 Ecology: A. The Environment C. Energy Flow D. Biodiversity</p> <p>4.2 Watersheds and Wetlands: A. Watersheds C. Aquatic Ecosystems</p> <p>4.5 Humans and the Environment: C. Pollution</p> |

| Grade 5 | | |
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| <i>Camp</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
| <p>On the Wing</p> <p>Herpetology 101</p> <p>Wild Backyard</p> <p>Nature’s Nightlife</p> | <p>3.1 Biological Sciences: C. Evolution</p> | <p>4.1 Ecology: A. The Environment C. Energy Flow</p> |
| <p>Artwork in Nature</p> <p>Into the Wild</p> | | |
| <p>Water Everywhere</p> | <p>3.1 Biological Sciences: C. Evolution</p> | <p>4.1 Ecology: A. The Environment C. Energy Flow</p> <p>4.2 Watersheds and Wetlands: A. Watersheds C. Aquatic Ecosystems</p> <p>4.5 Humans and the Environment: C. Pollution</p> |
| <p>Inside the Insect World</p> | <p>3.1 Biological Sciences: C. Evolution</p> | <p>4.1 Ecology: A. The Environment C. Energy Flow</p> <p>4.2 Watersheds and Wetlands: A. Watersheds C. Aquatic Ecosystems</p> |

| Grade 6 | | |
|---|--|---|
| <i>Camp</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
| On the Wing Herpetology 101 Nature's Nightlife Wildl Backyard Inside the Insect World Water Everywhere | 3.1 Biological Sciences: A. Organisms and Cells C. Evolution | <i>Not addressed in at this grade level</i> |
| Artwork in Nature Into the Wild | | |

| Grade 7 | | |
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| <i>Camp</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
| Plants in Action Outdoor Corps Wildlife Treks for Girls | 3.1 Biological Sciences: A. Organisms and Cells | 4.1 Ecology: A. The Environment C. Energy Flow D. Biodiversity 4.2 Watersheds and Wetlands: A. Watersheds C. Aquatic Ecosystems |
| Wet and Wild Adventures | 3.1 Biological Sciences: A. Organisms and Cells | 4.2 Watersheds and Wetlands: A. Watersheds C. Aquatic Ecosystems 4.5 Humans and the Environment: C. Pollution |
| Photo Sleuths | 3.1 Biological Sciences: A. Organisms and Cells | 4.1 Ecology: A. The Environment |

| Grade 8 | | |
|--|---|---|
| <i>Camp</i> | <i>Science and Technology</i> | <i>Environment & Ecology</i> |
| Plants in Action Outdoor Corps Wildlife Treks for Girls Photo Sleuths | <i>3.1 standards not addressed in at this grade level</i> | <i>Most standards not addressed in at this grade level</i> |
| Wet and Wild Adventures | | 4.2 Watersheds and Wetlands: A. Watersheds C. Aquatic Ecosystems 4.5 Humans and the Environment: C. Pollution |