

GreenKids: Lessons Correlated to the MCPS Curriculum

Pre-Kindergarten

Science Unit: Underground Connection

- ❖ Exploring Your Schoolyard: A Sensory Adventure
 - ❖ The Amazing Amaryllis: Exploring Plant Growth
 - ❖ Mother's Day Marigold Planting in Recycled Containers
 - ❖ Pumpkin Planting: Getting Ready for Kindergarten
 - ❖ Planting Trees
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Kindergarten

Science Unit: Living Things

- ❖ Exploring Your Schoolyard: A Sensory Adventure
 - ❖ Building a Worm Composting Bin for Your Classroom
 - ❖ Creating a "No Mow" Zone
 - ❖ Planting Trees
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1st Grade

Science Unit: Constructions

- ❖ Building Birdfeeders from Recycled Milk Cartons
- ❖ Assembling, Decorating & Installing Rain Barrels

Science Unit: Rocks, Sand & Soil

- ❖ Building a Worm Composting Bin for Your Classroom

Science Unit: Weather

- ❖ Weather Detectives
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2nd Grade

Science Unit: The Life Cycle of the Butterfly

- ❖ Butterflies & Habitat: Planting a Butterfly Garden

Science Unit: Liquids

- ❖ Mixing Green Cleaners
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3rd Grade

Science Unit: Crime Lab Chemistry

- ❖ Plant Pigments & Natural Dyes: Tie Dye Activity

Science Unit: Plant Growth & Development

- ❖ The Amazing Amaryllis: Exploring Plant Growth
- ❖ Plant Pigments & Natural Dyes: Tie Dye Activity
- ❖ Bees & Pollination: The Pollination Relay Race
- ❖ Bees & Pollination: A Beekeeper Visits Your Classroom
- ❖ Planting Trees
- ❖ Mother's Day Marigold Planting in Recycled Containers

Science Unit: Sound

- ❖ Building Wind Chimes from Recycled Materials
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4th Grade

Science Unit: Life Science (Land & Water Ecosystems)

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Science Unit: Environmental Science

- ❖ Enviroscapes Model: Exploring Watersheds & Riparian Forests
 - ❖ We All Live Downstream: Staging a Flood
 - ❖ Erosion in a Bottle: Modeling Rain & Runoff
 - ❖ Assessing Schoolyard Habitat
 - ❖ Watershed in a Pan: Building Watershed Models
 - ❖ Stream Study: Assessing Water Quality
 - ❖ Assembling, Decorating & Installing Rain Barrels
 - ❖ Planting Trees
 - ❖ One Square: Plot & Inventory Areas in Your Schoolyard
 - ❖ Removing Non-Native & Invasive Plants
 - ❖ Creating a "No Mow" Zone
 - ❖ Building a Worm Composting Bin for Your Classroom
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5th Grade

Science Unit: Solar Energy/Astronomy

- ❖ Solar Energy & the Power of the Sun
- ❖ Global Warming Theater
- ❖ Making Sun Prints
- ❖ Demonstrating Radiometers & Solar Cookers
- ❖ Conducting a School Energy Audit

Science Unit: Structures

- ❖ Building Bird Feeders from Recycled Materials
- ❖ Building a School Garden
- ❖ Assembling, Decorating & Installing Rain Barrels

6th Grade

Science Unit: Ecosystems & the Chesapeake Bay

- ❖ Enviroscapes Model: Exploring Watersheds & Riparian Forests
- ❖ We All Live Downstream: Staging a Flood
- ❖ Erosion in a Bottle: Modeling Rain & Runoff
- ❖ Assessing Schoolyard Habitat
- ❖ Watershed in a Pan: Building Watershed Models
- ❖ Stream Study: Assessing Water Quality
- ❖ Assembling, Decorating & Installing Rain Barrels
- ❖ Planting Trees
- ❖ Removing Non-Native & Invasive Plants
- ❖ Creating a “No Mow” Zone
- ❖ One Square: Plot & Inventory 1 Square Yard of Your Schoolyard
- ❖ Bioaccumulation of Mercury: “Something Fishy” Project
- ❖ *Under Development by Jenny: Ecosystem in a Box Supplements*

Science Unit: Diversity & Adaptations or Organisms

- ❖ *Under Development by Diane: Genetic Activities/Biodiversity*

Science Unit: Energy

- ❖ Solar Energy & the Power of the Sun
 - ❖ Global Warming Theater
 - ❖ Making Sun Prints
 - ❖ Observing a Radiometer
 - ❖ Conducting a School Energy Audit
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7th Grade

Science Unit: Cells

- ❖ Bioaccumulation of Mercury: “Something Fishy” Project

Science Unit: Heredity

- ❖ *Under Development by Diane: Genetic Activities/Biodiversity*
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8th Grade

Science Unit: Atmospheric Phenomenon

- ❖ Global Warming Theater
 - ❖ Erosion in a Bottle: Modeling Rain & Runoff
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Other Activities:

General Grade-Level Activities, School-Wide Assemblies, School Celebrations & After-School Clubs

- ❖ Deconstructing Garbage: What Gets Thrown Away in the Cafeteria
- ❖ Recycling: Which Materials were Recycled into Which Products?
- ❖ Conducting a School Energy Audit
- ❖ Constructing Bird Houses from Kits
- ❖ Field Trips to Woodend for Audubon Naturalist School Programs
- ❖ CIESE Collaborative Internet Projects <http://www.k12science.org/currichome.html>