

Philadelphia Flower Show Activity Sheets
(conforming with PA Standards for Environment and Ecology)

Lesson #1: Service Learning Project

Humans and the Environment:

Find an exhibit that addresses an environmental need (ex: green roofs, sustainability, conservation, etc).

Describe the need, the potential solution, and how you think it works.

Based on this exhibit, create (develop/ design) a service learning project for your community.

What community partners would you like to include?

Lesson #2: Science Fair Entry

Ecosystems and their interactions:

Find an exhibit that demonstrates a particular ecosystem.

Describe the system in terms of its living and non living components, cycles, and how you think it might change over time.

Identify at least ten 10 living and non living elements in this exhibit.

What does the exhibit teach you?

Use this exhibit as the basis for creating your own science fair entry.

What are the variables you will manipulate?

Lesson #3

Renewable and Nonrenewable Resources:

Keep in mind that for the Philadelphia Flower Show, plants were forced to flower at unusual times, so that the combination of flowering plants that you see at the show will not necessarily occur in nature!

Describe how you think this might have been done in terms of specific plants (tulips, Dogwood trees etc) and what renewable and non renewable resources were needed to force them to flower early.

Lesson #4

State flowers and trees.

Using the accompanying list, see how many state flowers and trees you can find.

Lesson 4. State flowers and trees.

Using the list, see how many state flowers and trees you can find, and note the Flower Show Exhibit where you found them.

Alabama (AL)	Tree	<u>longleaf pine</u>		
	Flower	Camellia		
Alaska (AK)	Tree	<u>Sitka spruce</u>		
	Flower	Forget-me-not		
Arizona (AZ)	Tree	<u>Palo Verde</u>		
	Flower	Saguaro cactus blossom		
Arkansas (AR)	Tree	<u>Pine</u>		
	Flower	Apple blossom		
California (CA)	Tree	<u>Coast Redwood</u>		
		<u>Giant Sequoia</u>		
	Flower	California poppy		
Colorado (CO)	Tree	<u>Blue Spruce</u>		
	Flower	Rocky Mountain Columbine		
Connecticut (CT)	Tree	<u>White Oak</u>		
	Flower	Mountain Laurel		
Delaware (DE)	Tree	<u>American holly</u>		
	Flower	Peach blossom		
District of Columbia (DC)	Tree	<u>Scarlet Oak</u>		
	Flower	American Beauty Rose		
Florida (FL)	Tree	<u>Cabbage Palmetto</u>		
	Flower	Orange blossom		
Georgia (GA)	Tree	<u>Live Oak</u>		
	Flower	Cherokee Rose		
Hawaii (HI)	Tree	<u>Candlenut tree, Kukui</u>		
	Flower	Pua aloalo		
Idaho (ID)	Tree	<u>Western White Pine</u>		
	Flower	Mock Orange		
Illinois (IL)	Tree	<u>White Oak</u>		
	Flower	Purple Violet		
Indiana (IN)	Tree	<u>Tulip Poplar</u>		
	Flower	Peony		

	Flower	Wild Prairie Rose		
Kansas (KS)	Tree	<u>Eastern Cottonwood</u>		
	Flower	Sunflower		
Kentucky (KY)	Tree	<u>Tulip Poplar</u>		
	Flower	Goldenrod		
Louisiana (LA)	Tree	<u>Bald Cypress</u>		
	Flower	Magnolia		
Maine (ME)	Tree	<u>Eastern White Pine</u>		
	Flower	Eastern White Pine tassel and cone		
Maryland (MD)	Tree	<u>White Oak</u>		
	Flower	Black-eyed Susan		
Massachusetts (MA)	Tree	<u>American elm</u>		
	Flower	Mayflower		
Michigan (MI)	Tree	<u>Eastern White Pine</u>		
	Flower	Apple blossom		
Minnesota (MN)	Tree	<u>Red Pine</u>		
	Flower	Pink and White Ladyslipper		
Mississippi (MS)	Tree	<u>Magnolia</u>		
	Flower	Magnolia		
Missouri (MO)	Tree	<u>Flowering Dogwood</u>		
	Flower	Hawthorn		
Montana (MT)	Tree	<u>Ponderosa Pine</u>		
	Flower	Bitterroot		
Nebraska (NE)	Tree	<u>Eastern Cottonwood</u>		
	Flower	Goldenrod		
Nevada (NV)	Tree	<u>Singleleaf Pinyon Pine</u>		
	Tree	<u>Bristlecone Pine</u>		
	Flower	Sagebrush		
New Hampshire (NH)	Tree	<u>Paper birch</u>		
	Flower	Purple Lilac		
New Jersey (NJ)	Tree	<u>Northern Red Oak</u>		
	Flower	Violet		
New Mexico (NM)	Tree	<u>Pinyon Pine</u>		

	Flower	Yucca		
New York (NY)	Tree	<u>Sugar Maple</u>		
	Flower	Rose		
North Carolina (NC)	Tree	<u>Longleaf Pine</u>		
	Flower	Flowering Dogwood		
North Dakota (ND)	Tree	<u>American Elm</u>		
	Flower	Wild Prairie Rose		
Ohio (OH)	Tree	<u>Ohio Buckeye</u>		
	Flower	Scarlet Carnation		
Oklahoma (OK)	Tree	<u>Eastern Redbud</u>		
	Flower	Mistletoe		
Oregon (OR)	Tree	<u>Douglas-fir</u>		
	Flower	Oregon grape		
Pennsylvania (PA)	Tree	<u>Eastern Hemlock</u>		
	Flower	Mountain Laurel		
Rhode Island (RI)	Tree	<u>Red Maple</u>		
	Flower	Violet		
South Carolina (SC)	Tree	<u>Cabbage Palmetto</u>		
	Flower	Yellow Jessamine		
South Dakota (SD)	Tree	<u>Black Hills Spruce</u>		
	Flower	Pasque flower		
Tennessee (TN)	Tree	<u>Tulip Poplar</u>		
	Flower	Iris		
Texas (TX)	Tree	<u>Pecan</u>		
	Flower	Texas Bluebonnet		
Utah (UT)	Tree	<u>Blue Spruce</u>		
	Flower	Sego Lily		
Vermont (VT)	Tree	<u>Sugar Maple</u>		
	Flower	Red Clover		
Virginia (VA)	Tree	<u>Flowering Dogwood</u>		
	Flower	Flowering Dogwood		
Washington (WA)	Tree	<u>Western Hemlock</u>		
	Flower	Coast Rhododendron		
West Virginia (WV)	Tree	<u>Sugar Maple</u>		
	Flower	Rhododendron		
Wisconsin (WI)	Tree	<u>Sugar Maple</u>		

	Flower	Violet		
Wyoming (WY)	Tree	<u>Plains Cottonwood</u>		
	Flower	Indian Paintbrush		
Guam	Tree	<u>Ifil or Ifit</u>		
	Flower	Puti tai nobiu		
Northern Marianas	Tree	<u>Flame Tree</u>		
	Flower	Plumeria		
Puerto Rico	Tree	<u>Silk-cotton Tree</u>		
	Flower	Puerto Rico Hibiscus		
U.S. Virgin Islands	Tree	No official tree		
	Flower	Yellow Trumpetbush		

PA Standards for Environment and Ecology

Watersheds and Wetlands

- A. Cycles*
- B. Role of watersheds*
- C. Physical Factors*
- D. Characteristics and functions of wetlands*
- E. Impacts of watersheds and wetlands*

Renewable and Nonrenewable Resources

- A. Uses*
- B. Availability*
- C. Management*
- D. Influential Factors*

Environmental Health

- A. Environmental Health Issues*
- B. Human Actions*
- C. Biological Diversity*

Agriculture and Society

- A. Society's Needs*
- B. Agricultural science*
- C. Agricultural Systems*
- D. Technology*

Integrated Pest Management

- A. Effects, Benefits and Impacts*
- B. Health Risks*
- C. Management Practices**

Ecosystems and their Interactions

- A. Living and Nonliving Components*
- B. Cycles**
- C. Change over Time*

Threatened, Endangered and Extinct Species

- A. Diversity*
- B. Adaptation*
- C. Management Strategies*

Humans and the Environment

- A. Societal Needs*
- B. Sustainability*
- C. Human Impacts*
- D. Supply and Demand*

Environmental Laws and Regulations

- A. Environmental Laws and their Impact*