IN THE AIR

Connecting Activity #1

"Clean Air / Dirty Air Worksheet"

K-3 EDUCATION MODULE

EPA

MISSOURI BOTANICAL GARDEN
Correlation with Education Standards Summary

Connecting Activity #1 “CleanAir / Dirty Air Worksheet”

For a narrative description of these standards please refer to the Teacher’s Guide.

National Standards
SOURCE: www.education-world.com/standards

| NPH-H.K-4.1 | NL-ENG.K-12.5 |
| NPH-H.K-4.2 | NS.K-4.1 a,b |
| NPH-H.K-4.3 | NS.K-4.4 a,b |
| NPH-H.K-4.4 | NS.K-4.6 a,b,c |
| NPH-H.K-4.6 | NSS-G.K-12.5 a,b,c |
| NL-ENG.K-12.4 | NSS-C.K-4.5 d |

Missouri Show-Me Standards
SOURCE: www.dese.mo.gov/standards

Performance Standards:
GOAL 1: 6, 10
GOAL 2: 1
GOAL 3: 1
GOAL 4: 1, 7

Knowledge Standards:
CA 6
HPE 5, 6
SC 8

3617 Grandel Square St. Louis Missouri 63108

Copies of materials may be reproduced for educational purposes only. Any publication, transmission and/or reproduction (electronic, paper or otherwise) must attribute Missouri Botanical Garden and the U.S. Environmental Protection Agency (U.S. EPA)

Funding was provided by U.S. EPA, with generous support from Missouri Botanical Garden’s EarthWays Center, and the 69 reviewers and partners.
Connecting Activity #1

OVERVIEW
Students distinguish pictures of things that make the air dirty from pictures showing how people can help make the air cleaner.

GOALS
• To reinforce the idea that children can do certain things to make the air cleaner
• To promote skills related to listening, following instructions, and interpreting the meaning of symbols

OBJECTIVES
When the activity is completed, students will be able to do the following:
• Explain how the air gets dirty in each dirty air picture.
• Explain what is happening in each clean air picture that makes the air cleaner.

MATERIALS
Each student will need the following:
• Copy of the worksheet
• Scissors and glue stick

PROCEDURES
1. Briefly review and discuss the basic information about dirty and clean air from Pre-Activity #1.
2. Hand out worksheets and explain this is an exercise to see what they remember about clean and dirty air.

“CLEAN AIR / DIRTY AIR WORKSHEET”

Recommended Grade Level:
K-1

Preparation:
1. Make a copy of Clean Air/Dirty Air Worksheet for each student.
2. Assemble materials listed below.

Presentation Time:
Time: 20 minutes
PROCEDURES (CONT.)

3. Complete the worksheet as follows:
   **Step 1:** Write your name on the line near the bottom of the page.
   **Step 2:** Cut out the six squares at the bottom of the page.
   **Step 3:** Glue the smoke squares on pictures that show how the air gets dirty.
   **Step 4:** Glue the sun squares on pictures of the activities that help keep the air clean.

CONCLUSION

Upon completion, discuss with students where the smoke and sun symbols should be placed and why. Allow students to make corrections if needed by drawing a sun or a smoke cloud on the correct picture.
<table>
<thead>
<tr>
<th>Clean Air / Dirty Air Worksheet</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="cigarette.png" alt="Cigarette" /></td>
<td><img src="spray-can.png" alt="Spray Can" /></td>
</tr>
<tr>
<td><img src="pipe-cigar.png" alt="Pipe and Cigar" /></td>
<td><img src="bicycle.png" alt="Bicycle" /></td>
</tr>
<tr>
<td><img src="tree-farmer.png" alt="Tree and Farmer" /></td>
<td><img src="car-smoke.png" alt="Car with Smoke" /></td>
</tr>
</tbody>
</table>

NAME: ________________________

Connecting-Activity #1 “Clean Air/Dirty Air Worksheet” - Pg. 61