

Pollution Solutions (Grades K-5)

Overview: Students will identify the types of pollution, their sources and how they can protect the environment from further pollutants.

California State Standards:

Science: K: 4.e. **1st:** 4a. **2nd:** 4d. **3rd:** 3c. **4th:** N/A. **5th:** N/A.

Visual Arts: K: 2.2, 2.4, 2.5, 4.3. **1st:** 4.3. **2nd:** 2.1, 2.2, 4.1, 4.3. **3rd:** N/A. **4th:** N/A. **5th:** 2.7

Background: During the past hundred years, due to new technologies, the world has changed in many ways. Some changes have improved the quality of life and health for many people. Others have affected human health care, causing different kinds of pollution that have harmed the environment. Because so many important things in the surroundings are shared by people in other communities, everyone must work to stop pollution of the air, water, and land.

Materials:

- Photos of pollution
- Poster board
- Crayons or markers
- Cardboard boxes
- Paints
- Paint brushes

Procedure:

1. Show students the photos of water, air, and land pollution. Have students identify what is wrong in each of the pictures. Write their responses on the board.
2. Ask students to brainstorm a list of ways that they can help to stop pollution. Examples include not littering, recycling, walk or ride bikes whenever possible, pick up litter, etc. List student responses on the board.
3. Provide students with a half sheet of poster board and crayons.
4. Have students make a poster to inform others about pollution.
5. Display the posters around the school.

Further Investigation:

1. Provide students with cardboard boxes and paint.
2. Have students design "litter boxes" with labels and decorations that state why it is important not to litter.
3. Place the boxes in areas around the school or home.