Grade 4 Sample Lesson Plan: Unit 2 – Healthy Air

SOLs

- **4.1 R** Describe the efforts of air pollution on health
- **4.2 S** Explain the health consequences associated with air pollution
- **4.2 O** Develop strategies to reduce air pollution

Objectives/Goals

- The student will be able to define air pollution and state various forms of air pollution.
- The students will be able to list at least 3 health concerns related to air pollution.
- The students will be able to complete the worksheet Air Pollution while identifying problems and solutions for air pollution.
- The students will make a pledge to help reduce air pollution.

Materials

- Book – Our Tree Named Steve by Alan Zweibel
- Teachers Guide and Activities
- You Tube Video
- Pledge Card to Help Reduce Air Pollution
- Worksheet, Air Pollution/ Problems and Solutions

Procedure

Step 1

- Ask students what pollution is? Write various answers on the board or chart. Explain that today we are going to focus on air pollution, how it affects us, and how we can help reduce it.

Step 2

- Show video *Air Pollution for Kids/It's Aum Sum Time*. 4:58 min. https://www.youtube.com/watch?v=sAKyhfxxr7s Discuss what was in the video. Compare it to the previous answers the students gave on the board. Increase the list to include items that contribute to air pollution such as: Cutting down trees, burning wood and trash, burning fossil fuel, smoke released from factories, and smoke released from cars.

Step 3

- Discuss the various diseases that may result from air pollution such as asthma, bronchitis, cancer, and skin diseases. Explain how pollution can make these existing conditions worse.

Step 4

- Discuss what things we can do in order to reduce air pollution. Guide students to include items: plant trees, use public transportation, keep your car in good working order, keep liquid chemicals closed tightly. Give out worksheet Exploring
- Environmental Issues. Have students get together in groups of 4 to complete.

Step 5

- Explain to students that we are going to take a pledge to help reduce air pollution. (It lists examples of how students can help.) Send pledge home as part of their homework and return it signed by the student and the parent. Also send home a note to let parents know you will be planting trees and to dress their child accordingly.

Step 6

- Tell students that tomorrow we are going to be planting trees to do our share in
- fighting air pollution. Read book Our Tree Named Steve by Alan Zweibel. Have students complete coloring sheet Plant Trees.

References

- https://www.youtube.com/watch?v=sAKyhfxxr7s
- Wisconsin Dept. of Natural Resources, Bureau of Air Management/ Teacher's Guide and Activities
- Pledge Card to Help Reduce Air Pollution
- *Exploring Environmental Issues* worksheet by Laura Candler – Teaching Resources
- Book *Our Tree Named Steve* by Alan Zweibel
- Nancy C. Lewis, 2018

Handout

The next page includes a handout for the lesson. The handout is designed for print use only.

Exploring Environmental Issues

Name _____

Air Pollution

Problem(s)	Solutions(s)

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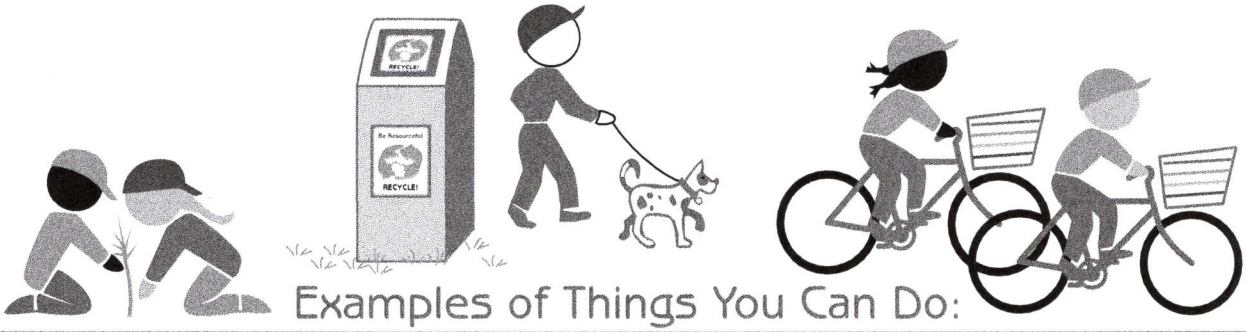
Pledge Card to Help Reduce Air Pollution:

Make a pledge to help your child understand the importance of taking care of the environment. Pick one activity or action you and your child can do. Try to come up with your own ideas.



Examples of Things You Can Do:

- Read a book about air pollution.
- Plant a tree.
- Walk or bike to the store, church, or park instead of driving.
- Recycle.
- Turn off lights and appliances when not in use.
- Write to your U.S. Senators and Representatives to let them know you care about the environment.

Please sign and return this pledge card to your teacher.

We _____ *pledge*
Parent and child

to _____ *to help reduce air pollution.*
Activity