

IN THE AIR

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Pre-Post Assessment Activity

6-8 EDUCATION MODULE



MISSOURI
BOTANICAL
GARDEN



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IN THE AIR

Pre-Post Assessment Activity

OVERVIEW

As a simple assessment tool for this module, students create a drawing about air pollution/toxics based on what they already know about the problem. After the module is completed, students will revise their work reflecting a greater understanding of the topic.

GOALS

Participation in this activity will:

- Stimulate student interest in air pollution by making the issue personal and creative.
- Provide a method to evaluate changes in student knowledge and level of understanding as a result of their studies.

Recommended Grade Level:
Can be adapted to all grades.
Preparation Time:
Time required to assemble art supplies.
Presentation Time:
Times will vary.

OBJECTIVES

At the end of this activity students will be able to:

- Explain how their original ideas about airborne toxics did or did not change at the completion of the module.

PROCEDURE

1. Choose what format and materials students will use for the assessment.
2. At the beginning of the unit, have students develop a drawing, word web, or short essay about what they know or believe about air pollution.
3. Collect their work.
4. At the end of the unit, return their work. Have them revise or redo their previous work to reflect what they have learned about air pollution. Allow them to share their finished work with the class.

DISCUSSION QUESTIONS

- What did you choose to change and why?
- What are your thoughts about the before and after work?
- If the class were to create a poster to help educate others about airborne toxics what would you include? What message or caption would you use?

CONCLUSION

Student's work will show changes reflecting their increased level of knowledge and understanding about air pollution.

