



A TEACHER CURRICULUM FOR GRADES 6-12

INTRODUCTION

EDUCATIONAL OBJECTIVES

Air Quality is a multidisciplinary air quality program designed to:

- ◆ Increase awareness of the air quality problem in Delaware
- ◆ Identify some of the sources of air pollution in Delaware
- ◆ Describe the effects of air pollution on our environment
- ◆ Create environmentally aware citizens in Delaware
- ◆ Explore the current and future actions that business, industry, and individuals can take to reduce the air quality problem in Delaware

INSTRUCTIONAL PLANNING

The *Air Quality Curriculum* contains eight sections including seven distinct lessons. While the activities in these lessons are interrelated and sequential, they can be used independently or in any combination to create or enhance a unit on Air Quality. Since the curriculum is flexible, it can accommodate anywhere from a one-day overview lesson to a two-week in-depth unit.

CORRELATIONS WITH DELAWARE STATE CURRICULUM CONTENT STANDARDS

This *Air Quality* curriculum has been correlated with the Delaware State Curriculum Content Standards. It is a multidisciplinary program aimed at creating environmentally aware citizens capable of facing the quality-of-life issues inherent in the 21st Century.

MATERIALS

This guide contains instructional procedures for all lessons and activities, background information on air quality issues, a glossary of air quality terms, and a list of educational resource materials. Teaching materials included to assist the teacher are:

- ◆ Readings
- ◆ Handouts
- ◆ Maps and Charts
- ◆ Overhead Transparencies
- ◆ Worksheets

ACTIVITIES

These instructional materials are well organized into student activities that provide dynamic opportunities for students to learn about issues that can directly affect their lives and their environment. Each lesson is organized the same way, detailing applicable grade levels, subjects, time needed, materials needed, state standards that are grade specific, objectives, background information, and teaching procedures. The teaching procedures include a lesson introduction, a warm-up, lesson objectives, activities, a lesson conclusion, and extended activities. Some lessons and activities also contain optional procedures to enhance the lesson or fit the teaching style of the individual teacher. It is our sincere intention to provide materials that are useful to the teacher and that are easy for teachers to use and adapt to their individual needs.