

Name of School:

Name of Course: **Environmental Studies**

Instructor Information

Name:

E-mail address:

School phone number:

Web page address:

Best times to be reached:

Course Description

This two-term course explores bioethics, ecological concepts, population dynamics, various sources of and solutions to environmental pollution, use of natural resources, energy production and alternatives, environmentally sustainable lifestyles, and those economic values used in developing environmental regulations and policies. Students' experiences include exploring the Internet, cooperative learning, using computer simulation, communicating research findings, performing experiments, and exploring career opportunities in environmental technology.

District Standards and Power Benchmarks

Standard 1: Understands and applies the principles of scientific inquiry

Benchmark A: Formulates and revises scientific explanations and models

Benchmark B: Understands how scientific knowledge changes with new evidence

Benchmark C: Uses technology and mathematics to perform accurate scientific investigations and communications

Benchmark D: Demonstrates safe handling procedures

Standard 2: Understands and applies the principles of life science

Benchmark A: Analyzes the diverse ecosystems of watersheds/wetlands

Benchmark B: Analyzes the use of renewable and nonrenewable resources

Benchmark C: Analyzes the impact of cycles on ecosystems

Benchmark D: Explains how human activities change the environment

Course Information

Environmental Studies is a two-term course with the pre-requisite of a unit of science. One unit of credit will be earned for the completion of this course.

Course Outline/Calendar

Unit 1: Scientific Method and Safety

Unit 2: Watersheds/Wetlands

Unit 3: Renewable and Nonrenewable Resources

Unit 4: Interactions within Ecosystems

Unit 5: Human Activities and the Environment

Text/Other Required Materials/Resources

Bernstein et al. (1995). *Environmental Science*. New York, NY: Pearson Education.

Instructional Procedures & Support

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Classroom Management Procedures

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Assessment Plan

The students are assessed on a point system. In addition to classwork, labs, tests and quizzes, the students are assessed on: district performance-based assessments and a Spreadsheet Integration Project.

Grading System

92 – 100	A
83 – 91	B
68 – 82	C
60 – 67	D
0 – 59	F