



Fairfield Ludlowe High School - Fairfield Warde High School

ENVIRONMENTAL EARTH SCIENCE 11

Insert Teacher Name

Insert Room Number

Full Year

Insert Period

Insert Email Address

COURSE DESCRIPTION

This laboratory-based course will provide students with a solid foundation in Earth Science and will prepare them for entry into the advanced placement program. Topics that will be covered include energy sources and transformations, polymers and their uses, sources and impacts of pollution, preservation of our Earth. Students in this course are capable of handling primary source material for reference and can work independently.

COURSE OBJECTIVES

Students will understand that:

- atoms react with one another to form new molecules.
- the electrical force is a universal force that exists between any two charged objects.
- energy cannot be created or destroyed; however, energy can be converted from one form to another.
- various sources of energy are used by humans and all have advantages and disadvantages
- elements on Earth move among reservoirs in the solid earth, oceans, atmosphere and organisms as part of biogeochemical cycles.
- due to its unique chemical structure, carbon forms many organic and inorganic compounds.
- chemical technologies present both risks and benefits to the health and well being of humans, plants and animals.
- some materials can be recycled, but others accumulate in the environment and may affect the balance of the Earth systems.
- the use of resources by human populations may affect the quality of the environment.

UNITS OF STUDY

- Measurement / Scientific Problem Solving
- Understanding the Periodic Table
- Electricity & Magnetism
- Energy Sources and Transformations
- Rocks, Minerals and Nonrenewable Energy Sources
- Polymer Use and Solid Waste Management
- Air Quality & Climate Change
- Renewable Resources

COURSE POLICIES AND REQUIREMENTS

GRADING

Summative Assessments:	80%
	Insert Categories/Weighting (ie. Papers – 30%)
Formative Assessments:	20%
	Insert Categories/Weighting (ie. Quizzes – 50%)

Behavioral Characteristics: 0%

Insert Additional Grading Information Here

MATERIALS

Insert Course Materials Here (ie. Textbook, Binder, Calculator, Highlighters)

EXPECTATIONS OF STUDENTS

Insert Course Expectations Here

EXTRA HELP

Insert Course Expectations Here

Insert Additional Information Here