Environmental Science

2023-2024

Course syllabus

Textbook.info

Pearson Environmental Science, 2011
New: $60
Digital textbook and accompanying resources may be accessed through the school's Clever page. Students are responsible for books that they check out and will be given an indebtedness notice if not returned by the end of the year and/or graduation.

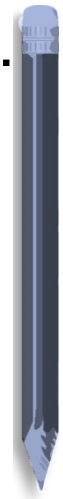
Course Description & Standards

In Environmental Science, students will study many components of our environment, including human impact on our planet. Topics also include the flow of matter and energy, as well as the study of Earth's resources.

SEV1: Obtain, evaluate, and communicate information to investigate the flow of energy and cycling of matter within an ecosystem.
SEV2: Obtain, evaluate, and communicate information to construct explanations of stability and change in Earth's ecosystems.
SEV3: Obtain, evaluate, and communicate information to evaluate types, availability, allocation, and sustainability of energy resources.
SEV4: Obtain, evaluate, and communicate information to analyze human impact on natural resources.
SEV5: Obtain, evaluate, and communicate information about the effects of human population growth on global ecosystems.

Assignments & grading

- **35%** Tests
- **25%** Labs & Activities
- **20%** Daily Work & Quizzes
- **20%** Benchmark



Reading in Content areas

All students will be required to read content-related materials to enhance the curriculum. The reading requirement is in compliance with county-wide literacy goals. Students will enhance reading in all curriculum areas by reading in all curriculum areas and reading both informational and fictional texts in various genres and modes of discourse. Specifically, there is focus on scientific literacy in the third nine weeks.

Course outline

First Nine Weeks	Second Nine Weeks	Third Nine Weeks	Fourth Nine Weeks
Ecological organization, macromolecules, biogeochemical cycles (4 weeks) **Atmospheric chemistry, climate cycles** (5 weeks)	**Terrestrial & aquatic biomes, adaptations** (4 weeks) **Succession, Law of Thermodynamics, biodiversity** (5 weeks)	**Energy sources & needs, renewable & nonrenewable resources** (4.5 weeks) **Human impact & sustainability** (4.5 weeks)	**Biotechnology, human population growth** (5 weeks) **Mutations, heredity, genetic information** (4 weeks)