

General Syllabus for 9th grade Environmental Science in Conneaut School District

Text Information: Environmental Science (Karen Arms): Holt

Online Text Book: www.gohrw.com

Course Description: Environmental Science is an essential course to take as concerned citizens in today's global community. The purpose of Environmental Science is to introduce all of the major environmental concerns facing the world today. Some of the topics that we will cover will be: food chains, food webs, food pyramids, acid rain, air quality, water quality, atmosphere and climate, global warming, endangered species, rainforest deforestation, human population growth, soil erosion and conservation.

Topics Covered:

- Ecosystems
- Biomes
- Air, Soil, Water Quality
- Populations
- Biodiversity
- Atmosphere & Climate Issues
- Natural Resources
- Pollution & Waste
- Energy

Instructional Approach:

<u>Unit One: Introduction to Environmental Science</u>	(17 days @ 45 min./day)
<u>Unit Two: Ecology</u>	(40 days @ 45 min./day)
<u>Unit Three: Populations</u>	(25 days @ 45 min./day)
<u>Unit Four: Water, Air and Land</u>	(50 days @ 45 min./day)
<u>Unit Five: Mineral & Energy Resources</u>	(25 days @ 45 min./day)
<u>Unit Six: Our Health & Our Future</u>	(23 days @ 45 min./day)

State Standards Addressed: S11.A.1.1.1 S11.A.1.1.2 S11.A.1.1.3 S11.A.1.2.1 S11.A.1.2.2
S11.A.1.3.1 S11.A.1.3.2 S11.A.1.3.3 S11.B.2.1.1 S11.B.2.1.4 S11.B.3.1.1 S11.B.3.1.2
S11.B.3.1.3 S11.B.3.1.4 S11.B.3.1.5 S11.B.3.2.2 S11.B.3.2.3 S11.B.3.2. S11.B.3.2.2 S11.B.3.1.1
S11.A.3.1.4 S11.B.3.3.2 S11.B.3.3.3 S11.D.1.3.1 S11.D.1.3.2 S11.D.1.3.3 S11.A.1.3.4
S11.C.2.2.1 S11.C.2.2.2 S11.C.2.2.3 S11.D.1.2.1 S11.D.1.2.2

Instruction:

Lecture
Power point presentations
Streaming Media
Demonstrations
Student Inquiry labs/ Guided labs
Videos
CD-Rom instructions
Cooperation learning

Assessment:

Success tracker (online testing and remediation)

Projects/ independent research (power point presentation, research paper)

Teacher observation

Tests

Quizzes

Lab activities with writing component

Parent/ Student Resources:

Online textbook with audio capabilities

Success tracker (online assessment tool)

Online leveled readers