

Introduction to Environmental Science

Ages: 11+

Tuesdays 12:30-1:25pm

Tentative Syllabus

Dr. Tonya Shearer

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This course is an overview of environmental science, which includes physical, chemical and biological interactions within ecosystems of our planet, natural resources, environmental issues and the science of conservation. Students will be assigned a project topic they will research and create a presentation at the end of the semester.

Course fee: \$240. Maximum of 15 students.

Tentative Syllabus

(Exact timing of topics will be determined by student progress.)

Week 1 – Introduction, Matter and Energy

Week 2 – Individuals and Populations

Week 3 – Communities and Ecosystems

Week 4 – Population Growth

Week 5 – Biodiversity

Week 6 – Geologic Processes

Week 7 – Conservation Biology

Week 8 – Soils and Minerals

Week 9 – Land Resources - Forestry and Agriculture

Week 10 – Renewable and Nonrenewable Energy

Week 11 – Water Resources and Pollution

Week 12 – Air Pollution

Week 13 – Waste Disposal

Week 14 – Project Presentations

Week 15 – Project Presentations and Review