Environmental Science

Scope and Sequence\*

(\*) The following scope and sequence addresses the main concepts and skills to be taught during the course of the school year.

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| **SCOPE AND SEQUENCE** | | |
| **Unit/Topic/Skill** | **Suggested Time Frame** | **Notes** |
| Unit 1: Introduction to Environmental Science | 6 Weeks | * Science and the Environment * Tools of Environmental Science * The Dynamic Earth/Earth’s Environmental Systems * Economics and Environmental Policy |
| Unit 2: Ecology | 6 Weeks | * Population Ecology * Evolution and Community Ecology * Biomes and Aquatic Ecosystems |
| Unit 3: Populations | 6 Weeks | * Understanding Population Change * Species Interaction * Human Population Trends * Biodiversity and Conservation |
| Unit 4: Earth’s Resources | 5 Weeks | * Water * Air * Land * Minerals and Mining |
| Unit 5: Humans and the Environment | 8 Weeks | * Urbanization * Pollution and Waste * The Atmosphere and Climate Change * The Environment and Human Health * Nonrenewable Energy |
| Unit 6: Moving Towards a Sustainable Future | 5 Weeks | * Renewable Energy Alternatives * Reducing Solid Waste * Sustainability * Economics, Policy, and the Future |