

Course Outline: Environmental Science

The course outline includes all the modules and all the topics in this Environmental Science course. In addition, the Virginia Environmental Science Course Content and Process Guidelines provided by the Virginia Department of Education are indicated in the appropriate column below. Note: ENV.1 is represented in every module and topic in the course.

Module 1: Environmental Science - Then and Now

Topic Number	Topic Name	Virginia Environmental Science Course Content and Process Guidelines
1	What is Environmental Science?	ENV.7
2	How People Protect the Environment	ENV.9, ENV.12
3	Environmental Science in the U.S. and Across the World	ENV.9, ENV.12

Module 2: The Earth in Balance

Topic Number	Topic Name	Virginia Environmental Science Course Content and Process Guidelines
1	Matter on Earth	ENV.3
2	The Atmosphere	ENV.3
3	The Lithosphere	ENV.3
4	The Hydrosphere	ENV.3, ENV.4
5	The Biosphere	ENV.3, ENV.5



Module 3: Ecosystems, Biomes, and Species

Topic Number	Topic Name	Virginia Environmental Science Course Content and Process Guidelines
1	Biotic and Abiotic Factors in Terrestrial and Aquatic Biomes	ENV.5
2	Natural Processes in Communities	ENV.6
3	Energy in the Living World	ENV.5, ENV.6, ENV.10
4	Population Dynamics in the Natural World	ENV.5, ENV.6
5	Protecting Biodiversity and the Conservation of Species	ENV.5, ENV.6, ENV.8, ENV.12

Module 4: Population Pressures

Topic Number	Topic Name	Virginia Environmental Science Course Content and Process Guidelines
1	Human Populations	ENV.6, ENV.8, ENV.9, ENV.12
2	Environmental Health	ENV.8, ENV.9, ENV.12
3	Urbanization and Sustainable Living	ENV.8, ENV.9, ENV.12

Module 5: Our Valuable Resources

Topic Number	Topic Name	Virginia Environmental Science Course Content and Process Guidelines
1	The Air We Breathe	ENV.8, ENV.10



Topic Number	Topic Name	Virginia Environmental Science Course Content and Process Guidelines
2	Land, Food, and Farming	ENV.8, ENV.9, ENV.10
3	Water Use and Management	ENV.8, ENV.10
4	Waste	ENV.8, ENV.10
5	Mining and Mineral Resources	ENV.7, ENV.8, ENV.10

Module 6: Energy Use and Impacts

Topic Number	Topic Name	Virginia Environmental Science Course Content and Process Guidelines
1	Energy Use Across the World	ENV.8
2	Nonrenewable Energy Resources	ENV.7, ENV.8
3	Renewable Energy Resources	ENV.7, ENV.8
4	Climate Change and the Future	ENV.9, ENV.11, ENV.12

Shaping a Greener Tomorrow Performance Assessment

