

EARTH/ENVIRONMENTAL SCIENCE

FALL & SPRING 2016-2017

**Course Outline (subject to change)*

UNIT	TOPIC
1	Science Literacy <i>Measurement, Scientific Method, Mapping and Introduction to Earth and Environmental Science</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Unit 1 “Quest”	
2	Plate Tectonics <i>Plates, Their Movement, Types of Plate Boundaries and Actions at Plate Boundaries</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Project – Unit 2 “Quest” & Test	
3	Rocks, Minerals, and Soil <i>The Rock Cycle, Weathering, Soil, and Mass Movements</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Unit 3 Test	
4	Freshwater <i>The Water Cycle, NC River Systems, Ground Water, Surface Water and Human Use of Water</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Project – Unit 4 Test	
5	Oceans <i>Movement in the World’s Oceans, Sea Level Changes, Coastal Wetlands and Estuaries</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Unit 5 Test	
CUMULATIVE EXAM (Covers Unit 1-5) / End of Quarter 1/3	
6	Atmosphere and Climate <i>Air masses, Fronts, Local and Global Winds, Global Climate and Seasons, Climate Classification Systems, Climate Changes</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Project – Unit 6 Test	
7	Weather and Storms <i>General Atmosphere, Cloud Formation, Severe Storms, Tornadoes, Lightning, Thunder, Cyclones, Weather Data Analysis</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Unit 7 Test	
8	Biomes and Ecology <i>Biomes, Biodiversity, Human Populations, Population Dynamics, and NC Resources</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Project – Unit 8 Test	
9	Natural Resources and Alternative Energy <i>Natural Resources, Fossil Fuels, Urbanization, Sustainability, Greenhouse Gasses, Alternative Energy Resources</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Unit 9 Test	
10	Astronomy <i>The Universe, stars, our solar system, and the Sun-Earth-Moon system</i>
Media Evaluation – Study Guide – Vocabulary – Formative Assessment – Unit 10 Test	
CUMULATIVE EARTH SCIENCE NORTH CAROLINA FINAL EXAM (State-Made NCFE) / End of Quarter 2/4	