



PACING GUIDE

FIRST QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
1 (Ch. 1-3)	3 weeks	1. An Intro to Environmental Science 2. Economics and Environmental Policy 3. Earth's Environmental Systems	<ul style="list-style-type: none"> EVSC.ESS3.1, 2, 5,6,9, 10, 11, 12, 13, 14, 16, 17, 18 EVSC.ESS2.1,2,3 EVSC.ETS2.2 and 3.1 EVSC.LS2.7, 4.2, 4.3, 2.3, 2.1, 2.4 2.5,2.6 	ANCHORING PHENOMENON: What are the effects of dead zones on both people and the environment? <ul style="list-style-type: none"> Defining environmental science Identifying renewable and non-renewable resources Determining ecological footprints Sustainability of various populations Steps of the Scientific method Theories and laws and how they are created Ethics in science
2 (Ch. 4-6)	6 weeks	1. Population Ecology 2. Evolution and Community Ecology 3. Biomes and Aquatic Ecosystems	<ul style="list-style-type: none"> EVSC.LS2.1, 2,3,4, 5, 6, 7 EVSC.LS4.1, 2, 3 EVSC.ESS3.2, 3, 6, 8, 9, 13, 17, 18 EVSC.ETS3.1 	ANCHORING PHENOMENON: What is the impact of tourism on the environment? <ul style="list-style-type: none"> Identify and describe levels of organization in an ecosystem Determine population size and factors that determine or affect it Determine factors that affect population growth and decline Evaluate methods of natural selection and evolution in species Evaluate interactions and relationships among species in an ecosystem Evaluate trophic levels and energy flow amongst organisms in ecosystems Compare and contrast biomes Compare and contrast aquatic ecosystems Analyze the impact of human interaction on organisms and its effect on biodiversity
SECOND QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
2 (Ch. 7)	2 weeks	1. Biodiversity and Conservation	<ul style="list-style-type: none"> EVSC.LS2.1, 2,3,4, 5, 6, 7 EVSC.LS4.1, 2, 3 EVSC.ESS3.2, 3, 6, 8, 9, 13, 17, 18 EVSC.ETS3.1 	<ul style="list-style-type: none"> Analyze the impact of human interaction on organisms and its effect on biodiversity
Unit 3 (Ch. 8-10)	5 weeks	1. Human Population 2. Environmental	<ul style="list-style-type: none"> EVSC.LS2.3 EVSC.ESS3.2, 3, 4, 5, 7, 8, 13, 14, 	ANCHORING PHENOMENON: What is the impact of population size during an environmental hazard, such as a global pandemic? <ul style="list-style-type: none"> Analyze population trends throughout history Predict population rates based off various factors

		Health 3. Urbanization	18 • EVSC.ETS2.2	<ul style="list-style-type: none"> Determine how land use affects population Research the effects of disease and environmental hazards on population and health of population Research the history of urbanization and impact on population distribution
Mid-term Exam	1 week	All S1 topics	All S1 standards	All S1 learning objectives
THIRD QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
4 (Ch. 11-15)	10 weeks	1. Forestry and Resource Management 2. Soil and Agriculture 3. Mineral Resources and Mining 4. Water Resources 5. Atmosphere	<ul style="list-style-type: none"> EVSC.LS2.1, 2, 6 EVSC.ESS2.6 EVSC.ESS3.1, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 18 EVSC.ETS2.1, 2 EVSC.ETS3.1 	ANCHORING PHENOMENON: Why do we need to conserve Earth's resources? <ul style="list-style-type: none"> Determine how forestry resources are utilized, recycled and managed Determine importance, creation and use of soil Analyze rock cycle Analyze mineral formations Research mineral uses Analyze importance of water for all biogeochemical cycles and multiple aspects of life Analyze layers of atmosphere and how each plays an important role in biogeochemical cycles
FOURTH QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
Unit 5 (Ch. 16-19)	8 weeks	1. Global Climate Change 2. Nonrenewable Energy 3. Renewable Energy Alternatives 4. Waste Management	<ul style="list-style-type: none"> EVSC.LS2.1, 2, 7 EVSC.LS4.2, 3, 4 EVSC.ESS2.2 EVSC.ESS3.1, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 EVSC.ETS2.2 	ANCHORING PHENOMENON: How can you support a sustainable future? <ul style="list-style-type: none"> Analyze factors that affect global climate Research climate change and how we can impact our world positively and negatively Compare and contrast renewable and non-renewable energy resources Investigate various forms and alternatives to renewable energy sources Research proper waste management protocol Investigate outcomes of improper waste management