Content Outline

Sustainability Foundations: Plants, Animals, and Our World™

SUSTAINING GLOBAL RESOURCES	
DESCRIPTION	Students see symbolic representation of how systems, such as land, air, water and animals are connected. Students see themselves as part of those systems and in a reciprocal relationship with all the other parts. The topic of global resources is introduced by exploring renewable and nonrenewable resources. The purpose is to introduce resources, define renewable/nonrenewable, and put students in the frame of mind to think about resources as they begin to envision the world they want to live in.
LEARNING OBJECTIVES	• Describe the natural limits of resources, and how those limits contribute to healthy systems. • Identify renewable and non-renewable resources. • Describe a product's life cycle. • Make creative choices that respect the physical law of limits to address the impact and cycle of resource usage.

PROTECTING HEALTHY BIODIVERSITY	
DESCRIPTION	Students will understand that all living things are interconnected, interdependent on each other, and that everything we do and don't do makes a difference. Relationships are reciprocal. All living things, including students taking this course, have a role to play in protecting the biodiversity of our planet.
LEARNING OBJECTIVES	• Explore the importance of biodiversity and the balance of all living organisms. • Understand the specific role that humans play in maintaining healthy biodiversity. • Define biomimicry and explore how we can leverage it to solve our sustainability challenges. • Develop a pledge around conscious consumption to help balance and maintain our biodiversity.

POSITIVELY IMPACTING CLIMATE CHANGE	
DESCRIPTION	Students are introduced to the importance of place in the context of climate, as well as key terms such as greenhouse gases, global warming, and climate change.
LEARNING OBJECTIVES	• Hypothesize about what it will take to contribute to the restoration and regeneration of a virtual place they created. • Explain Earth's natural balance (dynamic equilibrium) of greenhouse gases and gas absorption or capture. • Develop a pledge that will reduce our over-production of CO2 equivalents in the atmosphere using information from the course.

INNOVATING FOR A HEALTHY LIFE	
DESCRIPTION	Students explore how adaptability helps all living things, including humans, survive and even thrive over time, including adapting what we consume.
LEARNING OBJECTIVES	• Describe the complexity of needs required to keep human life healthy. • Explain the importance of caring for a shared resource set to make a healthy life possible for everyone. • Define adaptability and delineate between adapting to decline and adapting for sustainability. • Reconcile individual rights with collective responsibilities through a pledge.