Seeds

Performance Expectations	Connections Between EP&Cs, CCCs, and SEPS	Clarifications for DCIs	Relevant EEI Units
K-LS1-1 Use observations to describe patterns of what plants and animals (including humans) need to survive. **2-LS2-2** Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. **4-LS1-1** Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.	**Targeted Environmental Principles & Concept(s)** **Principle I: People Depend on Natural Systems** The continuation and health of individual human lives and of human communities and societies depend on the health of the natural systems that provide essential goods and ecosystem services. Concept A. The goods produced by natural systems are essential to human life and to the functioning of our economies and cultures. Concept B. The ecosystem services provided by natural systems are essential to human life and to the functioning of our economies and cultures. Concept C. That the quality, quantity, and reliability of the goods and ecosystem services provided by natural systems are directly affected by the health of those systems.	**Targeted Disciplinary Core Idea(s)** **K-LS1-1 Organization for Matter and Energy Flow in Organisms** All animals need food in order to live and grow. They obtain their food from plants or from other animals. Plants need water and light to live and grow. **2-PS1-1 Structure and Properties of Matter** Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties. **2-LS2-2 Interdependent Relationships in Ecosystems** Plants depend on animals for pollination or to move their seeds around. **4-LS1-1 Structure and Function** Plants and animals have both internal and external structures that serve various functions in growth, survival, behavior, and reproduction.	K: A Day in My Life; The World Around Me 2: Cycle of Life; Flowering Plants in Our Changing Environment; The Earth Rocks; From Field to Table; The Dollars and Sense of Food Production 3: Structures for Survival in a Healthy Ecosystem; California's Economy: Natural Choices 4: Plants: The Ultimate Energy Resource; The Flow of Energy Through Ecosystems; Reflections of Where We Live 5: Percipitation, People, and the Natural World For Elementary EEI units K-5

One Cool Earth (OCE) supports the integration of Next Generation Science Standards (NGSS) three dimensional learning and the Environmental Principles & Concepts (EP&Cs) in their lesson planning. In recognition of A Blueprint for Environmental Literacy and the California State Board of Education, OCE uses the *CA Science Framework*.

	Targeted Crosscutting Concept(s) Structure and Function Cause and Effect Patterns **Targeted Science and Engineering Practice(s)** Asking Questions Defining Problems Construct Explanations and Designing Solutions Obtaining, Evaluating, and Communicating Information		