



Science	
LIFE SCIENCE ~~Understand structure, functions, and interactions of living organisms and the environment.	
<i>CCG: Understand the characteristics, structure, and functions of organisms.</i>	
<i>Content Standard: Describe the characteristics, structure, and functions of organisms.</i>	
HOMES & HABITATS (K – 1st)	
SC.03.LS.01	Recognize characteristics that are similar and different between organisms.
SC.03.LS.02	Describe the basic needs of living things.
WHAT'S A FOREST (grades 1st – 2nd)	
SC.03.LS.01	Recognize characteristics that are similar and different between organisms.
SC.03.LS.02	Describe the basic needs of living things.
FOOD CHAIN FUN (grades 3rd – 4th)	
SC.03.LS.01	Recognize characteristics that are similar and different between organisms.
SC.05.LS.01.01	Classify a variety of living things into groups using various characteristics.
SC.03.LS.02	Describe the basic needs of living things.
SC.05.LS.03.01	Associate specific structures with their functions in the survival of the organism.
PAST & PRESENT (grades 3rd – 4th)	
SC.03.LS.01	Recognize characteristics that are similar and different between organisms.
SC.05.LS.01	Group or classify organisms based on a variety of characteristics.
SC.05.LS.01.01	Classify a variety of living things into groups using various characteristics.
SC.03.LS.02	Describe the basic needs of living things.
SC.05.LS.03.01	Associate specific structures with their functions in the survival of the organism.
TREES OF THE TILLAMOOK (grades 5th – 6th)	
SC.05.LS.01	Group or classify organisms based on a variety of characteristics.

SC.05.LS.03.01	Associate specific structures with their functions in the survival of the organism.
FRESHWATER & FORESTS (grades 5th–6th)	
SC.05.LS.01	Group or classify organisms based on a variety of characteristics.
SC.08.LS.02.03	Identify photosynthesis as the process by which plants use the energy from light to make sugars out of carbon dioxide and water, and that this food can be used immediately for fuel or materials or it may be stored for later use.
EVER-CHANGING ECOSYSTEMS (grades 6th–8th)	
SC.08.LS.02.03	Identify photosynthesis as the process by which plants use the energy from light to make sugars out of carbon dioxide and water, and that this food can be used immediately for fuel or materials or it may be stored for later use.
<i>CCG: HEREDITY; Understand the transmission of traits in living things.</i>	
<i>Content Standard: Explain and analyze the interdependence of organisms in their natural environments.</i>	
FOOD CHAIN FUN (grades 3rd–4th)	
SC.05.LS.04	Describe the life cycle of an organism.
<i>CCG: DIVERSITY / INTERDEPENDENCE; Understand the relationships among living things and between living things and their environments.</i>	
<i>Content Standard: Explain and analyze the interdependence of organisms in their natural environments.</i>	
HOMES & HABITATS (K–1st)	
SC.03.LS.04	Describe a habitat and the organisms that live there.
SC.03.LS.05	Identify how some animals gather and store food, defend themselves, and find shelter.
WHAT'S A FOREST (grades 1st–2nd)	
SC.03.LS.04	Describe a habitat and the organisms that live there.
FOOD CHAIN FUN (grades 3rd–4th)	
SC.03.LS.04	Describe a habitat and the organisms that live there.
SC.03.LS.05	Identify how some animals gather and store food, defend themselves, and find shelter.

SC.05.LS.01	Use drawings or models to represent a series of food chains for specific habitats.
SC.05.LS.05.02	Identify the producers, consumers, and decomposers in a given habitat.
SC.05.LS.05.03	Recognize how all animals depend upon plants whether or not they eat the plants directly.
SC.05.LS.06.01	Describe changes to the environment that have caused the population of some species to change.
SC.05.LS.06.02	Identify conditions that might cause a species to become endangered or extinct.
PAST & PRESENT (grades 3rd–4th)	
SC.03.LS.04	Describe a habitat and the organisms that live there.
SC.03.LS.05	Identify how some animals gather and store food, defend themselves, and find shelter.
SC.05.LS.06	Describe how adaptations help a species survive.
SC.05.LS.06.01	Describe changes to the environment that have caused the population of some species to change.
TREES OF THE TILLAMOOK (grades 5th–6th)	
SC.05.LS.05.02	Identify the producers, consumers, and decomposers in a given habitat.
SC.05.LS.05.05	Describe the living and nonliving resources in a specific habitat and the adaptations of organisms to that habitat.
SC.05.LS.06	Describe how adaptations help a species survive.
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SC.05.LS.06.01	Describe changes to the environment that have caused the population of some species to change.
FRESHWATER & FORESTS (grades 5th–6th)	
SC.05.LS.05.02	Identify the producers, consumers, and decomposers in a given habitat.
SC.05.LS.05.05	Describe the living and nonliving resources in a specific habitat and the adaptations of organisms to that habitat.
SC.05.LS.06	Describe how adaptations help a species survive.
SC.05.LS.06.01	Describe changes to the environment that have caused the population of some species to change.
EVER-CHANGING ECOSYSTEMS (grades 6th–8th)	
SC.08.LS.05.02	Describe how animal and plant structures adapt to environmental change.

EARTH & SPACE ~~ <i>Understand physical properties of the Earth, how those properties change, and the Earth's relationship to other celestial bodies.</i>	
<i>CCG: THE DYNAMIC EARTH; Understand the properties and limited availability of the materials which make up the Earth.</i>	
<i>Content Standard: Identify the structure of the Earth system and the availability and use of the materials that make up that system.</i>	
HOMES & HABITATS (K–1st)	
SC.03.ES.01	Recognize physical differences in Earth materials.
WHAT'S A FOREST (grades 1st–2nd)	
SC.03.ES.01	Recognize physical differences in Earth materials.
FOOD CHAIN FUN (grades 3rd–4th)	
SC.03.ES.01	Recognize physical differences in Earth materials.
SC.05.ES.01.03	Recognize that the supply of many resources is limited, and that resources can be extended through recycling and decreased use.
SC.05.ES.03.01	Identify effects of wind and water on Earth materials using appropriate models
PAST & PRESENT (grades 3rd–4th)	
SC.03.ES.01	Recognize physical differences in Earth materials.
SC.05.ES.01.03	Recognize that the supply of many resources is limited, and that resources can be extended through recycling and decreased use.
SC.05.ES.01.04	Recognize that discarded products contribute to the problem of waste disposal.
TREES OF THE TILLAMOOK (grades 5th–6th)	
SC.05.ES.01.03	Recognize that the supply of many resources is limited, and that resources can be extended through recycling and decreased use.
FRESHWATER & FORESTS (grades 5th–6th)	
SC.05.ES.01.03	Recognize that the supply of many resources is limited, and that resources can be extended through recycling and decreased use.
SC.08.ES.03.03	Identify factors affecting water flow, soil erosion, and deposition.

EVER-CHANGING ECOSYSTEMS		(grades 6th–8th)
SC.08.ES.03.03	Identify factors affecting water flow, soil erosion, and deposition.	
SCIENTIFIC INQUIRY ~~ Use interrelated processes to pose questions and investigate the physical and living world.		
<i>CCG: Formulate and express scientific questions or hypotheses to be investigated.</i>		
Content Standard: Make observations. Formulate and express scientific questions or hypotheses to be investigated based on observations.		
HOMES & HABITATS		(K–1st)
SC.03.SI.01	Make observations. Based on these observations, ask questions or form hypotheses, which can be explored through simple investigations.	
WHAT'S A FOREST		(grades 1st–2nd)
SC.03.SI.01	Make observations. Based on these observations, ask questions or form hypotheses, which can be explored through simple investigations.	
FOOD CHAIN FUN		(grades 3rd–4th)
SC.03.SI.01	Make observations. Based on these observations, ask questions or form hypotheses, which can be explored through simple investigations.	
PAST & PRESENT		(grades 3rd–4th)
SC.03.SI.01	Make observations. Based on these observations, ask questions or form hypotheses, which can be explored through simple investigations.	
TREES OF THE TILLAMOOK		(grades 5th–6th)
SC.05.SI.01	Make observations. Based on these observations, ask questions or form hypotheses, which can be explored through simple investigations.	
FRESHWATER & FORESTS		(grades 5th–6th)
SC.05.SI.01	Make observations. Based on these observations, ask questions or form hypotheses, which can be explored through simple investigations.	
EVER-CHANGING ECOSYSTEMS		(grades 6th–8th)
SC.08.SI.01	Based on observations and scientific concepts, ask questions or form hypotheses that can be explored through scientific investigations.	

<i>CCG: Design safe and ethical scientific investigations to address questions or hypotheses.</i>	
Content Standard: Design scientific investigations to address and explain questions or hypotheses.	
HOMES & HABITATS (K–1st)	
SC.03.SI.02	Plan a simple investigation.
WHAT'S A FOREST (grades 1st–2nd)	
SC.03.SI.02	Plan a simple investigation.
FOOD CHAIN FUN (grades 3rd–4th)	
SC.03.SI.02	Plan a simple investigation.
SC.05.SI.02	Design a simple scientific investigation to answer questions or test hypotheses.
PAST & PRESENT (grades 3rd–4th)	
SC.03.SI.02	Plan a simple investigation.
SC.05.SI.02	Design a simple scientific investigation to answer questions or test hypotheses.
TREES OF THE TILLAMOOK (grades 5th–6th)	
SC.05.SI.02	Design a simple scientific investigation to answer questions or test hypotheses.
FRESHWATER & FORESTS (grades 5th–6th)	
SC.05.SI.02	Design a simple scientific investigation to answer questions or test hypotheses.
EVER-CHANGING ECOSYSTEMS (grades 6th–8th)	
SC.08.SI.02	Design a simple scientific investigation to answer questions or test hypotheses.
<i>CCG: Collecting and Presenting Data; Conduct procedures to collect, organize, and display scientific data.</i>	
Content Standard: Collect, organize, and display scientific data.	
HOMES & HABITATS (K–1st)	
SC.03.SI.03	Collect data from an investigation.
WHAT'S A FOREST (grades 1st–2nd)	
SC.03.SI.03	Collect data from an investigation.

FOOD CHAIN FUN		(grades 3rd–4th)
SC.03.SI.03	Collect data from an investigation.	
PAST & PRESENT		(grades 3rd–4th)
SC.03.SI.03	Collect data from an investigation.	
SC.05.SI.03	Collect, organize, and summarize data from investigations.	
TREES OF THE TILLAMOOK		(grades 5th–6th)
SC.05.SI.03	Collect, organize, and summarize data from investigations.	
FRESHWATER & FORESTS		(grades 5th–6th)
SC.05.SI.03	Collect, organize, and summarize data from investigations.	
EVER-CHANGING ECOSYSTEMS		(grades 6th–8th)
SC.08.SI.03	Collect, organize, and display sufficient data to support analysis.	
<i>CCG: Analyze scientific information to develop and present conclusions.</i>		
<i>Content Standard: Analyze scientific information to develop and present conclusions.</i>		
HOMES & HABITATS		(K–1st)
SC.03.SI.04	Use the data collected from an investigation to explain the results.	
WHAT'S A FOREST		(grades 1st–2nd)
SC.03.SI.04	Use the data collected from an investigation to explain the results.	
FOOD CHAIN FUN		(grades 3rd–4th)
SC.03.SI.04	Use the data collected from an investigation to explain the results.	
SC.05.SI.04	Summarize, analyze, and interpret data from investigations.	
PAST & PRESENT		(grades 3rd–4th)
SC.03.SI.04	Use the data collected from an investigation to explain the results.	
SC.05.SI.04	Summarize, analyze, and interpret data from investigations.	
TREES OF THE TILLAMOOK		(grades 5th–6th)
SC.05.SI.04	Summarize, analyze, and interpret data from investigations.	

FRESHWATER & FORESTS		(grades 5th–6th)
SC.05.SI.04	Summarize, analyze, and interpret data from investigations.	
EVER-CHANGING ECOSYSTEMS		(grades 6th–8th)
SC.08.SI.04	Summarize and analyze data including possible sources of error. Explain results and offer reasonable and accurate interpretations and implications.	

Science in Personal and Social Perspectives

CCG: Describe how daily choices of individuals, taken together, affect global resource cycles, ecosystems and natural resource supplies

CCG: Explain risks and benefits in personal and community health from a scientific perspective.