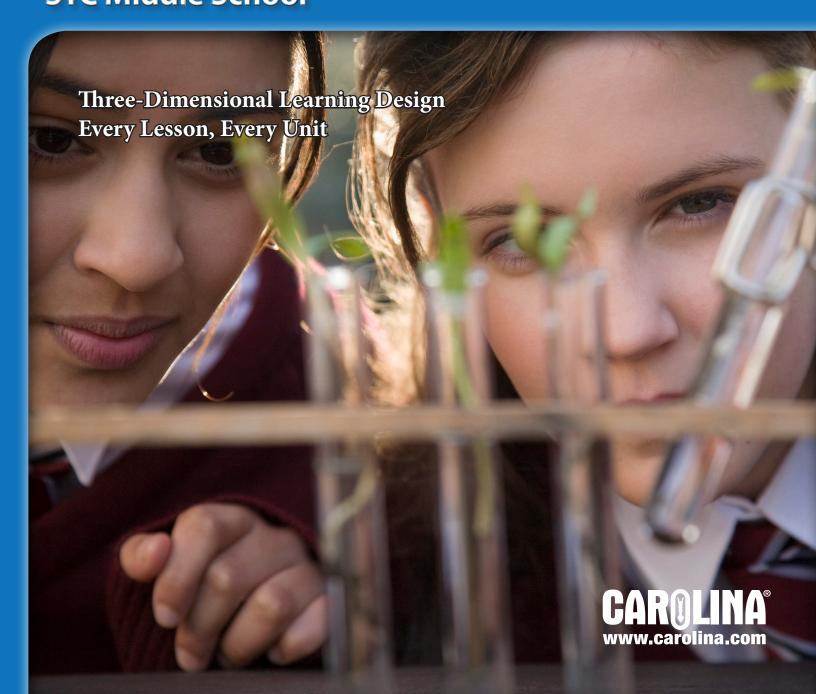




## **CA NGSS OVERVIEW CORRELATION** STC Middle School™





CA NGSS Overview Correlation	
Middle School Pl	nysical Science
MS-PS1. Matter and Its Interactions	
Performance Expectation	Correlation to STC for Middle School™
<b>MS-PS1-1.</b> Develop models to describe the atomic composition of simple molecules and extended structures.	Matter and Its Interactions TE: Lesson 1 pgs. vi-17b; Lesson 2 pgs. 17c-37b; Lesson 4 pgs. 61c-83b; Lesson 5 pgs. 83c-107b; Lesson 6 pgs. 107c-141; Lesson 10 pgs. 193a-218; Lesson 11 pgs. 219a-226a
<b>MS-PS1-2.</b> Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.	Matter and Its Interactions TE: Lesson 1 pgs. vi-17b; Lesson 2 pgs. 17c-37b; Lesson 3 pgs. 37c-61b; Lesson 7 pgs. 141a-162; Lesson 9 pgs. 181c-192; Lesson 10 pgs. 193a-218; Lesson 11 pgs. 219a-226a
<b>MS-PS1-3.</b> Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.	Matter and Its Interactions TE: Lesson 1 pgs. vi–17b; Lesson 10 pgs. 193a–218; Lesson 11 pgs. 219a–226a
<b>MS-PS1-4.</b> Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.	Matter and Its Interactions TE: Lesson 1 pgs. vi–17b; Lesson 4 pgs. 61c–83b; Lesson 11 pgs. 219a–226a
<b>MS-PS1-5.</b> Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.	Matter and Its Interactions TE: Lesson 1 pgs. vi–17b; Lesson 9 pgs. 181c–192; Lesson 11 pgs. 219a–226a
<b>MS-PS1-6.</b> Undertake a design project to construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes.	Matter and Its Interactions TE: Lesson 1 pgs. vi–17b; Lesson 8 pgs. 163a–181b; Lesson 11 pgs. 219a–226a
<b>MS-PS2-1.</b> Apply Newton's Third Law to design a solution to a problem involving the motion of two colliding objects.	Energy, Forces, and Motion TE: Lesson 1 pgs. iv-13; Lesson 6 pgs. 81a-103; Lesson 7 pgs. 103a-123; Lesson 9 pgs. 141a-153
<b>MS-PS2-2.</b> Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.	Energy, Forces, and Motion TE: Lesson 1 pgs. iv-13; Lesson 2 pgs. 13a-31; Lesson 4 pgs. 49a-63; Lesson 6 pgs. 81a-103; Lesson 7 pgs. 103a-123; Lesson 9 pgs. 141a-153
<b>MS-PS2-3.</b> Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.	Energy, Forces, and Motion TE: Lesson 1 pgs. iv–13; Lesson 3 pgs. 31a–49  Electricity, Waves, and Information Transfer TE: Lesson 1 pgs. vi–19; Lesson 2 pgs. 19a–41; Lesson 3 pgs. 41a–65; Lesson 4 pgs. 65a–91; Lesson 10 pgs. 201c–219a



<b>MS-PS2-4.</b> Construct and present arguments using evidence to support the claim that gravitational interactions are attractive and depend on the masses of interacting objects.	Space Systems Exploration         TE: Lesson 1 pgs. 1a-17; Lesson 4 pgs. 57a-77;         Lesson 7 pgs. 127a-147; Lesson 8 pgs. 147a-167;         Lesson 10 pgs. 187a-193
<b>MS-PS2-5.</b> Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.	Energy, Forces, and Motion TE: Lesson 1 pgs. iv–13; Lesson 3 pgs. 31a–49; Electricity, Waves, and Information Transfer TE: Lesson 4 pgs. 65a–91
MS-PS3. Energy	
<b>MS-PS3-1.</b> Construct and interpret graphical displays of data to describe the relationships of kinetic energy to the mass of an object and to the speed of an object.	Energy, Forces, and Motion TE: Lesson 1 pgs. iv-13; Lesson 5 pgs. 63a-81; Lesson 9 pgs. 141a-153
<b>MS-PS3-2.</b> Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system.	Energy, Forces, and Motion TE: Lesson 1 pgs. iv-13; Lesson 5 pgs. 63a-81; Lesson 9 pgs. 141a-153
<b>MS-PS3-3.</b> Apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy transfer.	Electricity, Waves, and Information Transfer TE: Lesson 5 pgs. 91a–115a
<b>MS-PS3-4.</b> Plan an investigation to determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the	Matter and Its Interactions TE: Lesson 1 pgs. vi–17b; Lesson 4 pgs. 61c–83b; Lesson 8 pgs. 163a–181b; Lesson 11 pgs. 219a–226a
temperature of the sample.	Electricity, Waves, and Information Transfer TE: Lesson 5 pgs. 91a–115a; Lesson 10 pgs. 201c–219a
	Weather and Climate Systems TE: Lesson 1 pgs. vi-9; Lesson 2 pgs. 9a-23; Lesson 12 pgs. 199a-205
<b>MS-PS3-5.</b> Construct, use, and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.	Energy, Forces, and Motion  TE: Lesson 1 pgs. iv–13; Lesson 2 pgs. 13a–31; Lesson 5 pgs. 63a–81; Lesson 7 pgs. 103a–123; Lesson 8 pgs. 123a–141; Lesson 9 pgs. 141a–153
	Electricity, Waves, and Information Transfer TE: Lesson 1 pgs. vi–19; Lesson 4 pgs. 65a–91; Lesson 5 pgs. 91a–115a; Lesson 10 pgs. 201c–219a



MS-PS4. Waves and Their Applications in Technologies for Information Transfer	
<b>MS-PS4-1.</b> Use mathematical representations to describe a simple model for waves that includes how the amplitude of a wave is related to the energy in a wave.	Electricity, Waves, and Information Transfer TE: Lesson 1 pgs. vi–19; Lesson 6 pgs. 115c–135a; Lesson 10 pgs. 201c–219a
<b>MS-PS4-2.</b> Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.	Electricity, Waves, and Information Transfer TE: Lesson 1 pgs. vi-19; Lesson 7 pgs. 135c-157a; Lesson 10 pgs. 201c-219a
MS-PS4-3. Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.	Electricity, Waves, and Information Transfer TE: Lesson 8 pgs. 157c–177



Middle School Life Science	
MS-LS1. From Molecules to Organisms: Structures	s and Processes
Performance Expectation	Correlation to STC for Middle School™
<b>MS-LS1-1.</b> Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 2 pgs. 15a–43a; Lesson 8 pgs. 165a–171a  Genes and Molecular Machines TE: Lesson 1 pgs. 1a–17; Lesson 2 pgs. 17a–33b; Lesson 11 pgs. 181a–186
<b>MS-LS1-2.</b> Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 3 pgs. 43c–65; Lesson 8 pgs. 165a–171a
<b>MS-LS1-3.</b> Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 6 pgs. 111a–141; Lesson 7 pgs. 141a–165; Lesson 8 pgs. 165a–171a
<b>MS-LS1-4.</b> Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.	Genes and Molecular Machines TE: Lesson 1 pgs. 1a–17; Lesson 7 pgs. 111a–129; Lesson 11 pgs. 181a–186
<b>MS-LS1-5.</b> Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 10 pgs. 221a–243; Lesson 11 pgs. 243a–249
<b>MS-LS1-6.</b> Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 4 pgs. 65a–91; Lesson 8 pgs. 165a–171a  Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 4 pgs. 79a–97; Lesson 5 pgs. 97a–125; Lesson 11 pgs. 243a–249
<b>MS-LS1-7.</b> Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 5 pgs. 91a–111; Lesson 8 pgs. 165a–171a
<b>MS-LS1-8.</b> Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 7 pgs. 141a–165; Lesson 8 pgs. 165a–171a  Electricity, Waves, and Information Transfer TE: Lesson 1 pgs. vi–19; Lesson 9 pgs. 177a–201b; Lesson 10 pgs. 201c–219a



MS-LS2. Ecosystems: Interactions, Energy, and Dynamics		
<b>MS-LS2-1.</b> Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 2 pgs. 27a–49; Lesson 3 pgs. 49a–71; Lesson 6 pgs. 125a–147; Lesson 11 pgs. 243a–249	
<b>MS-LS2-2.</b> Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 6 pgs. 125a–147; Lesson 11 pgs. 243a–249	
<b>MS-LS2-3.</b> Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 4 pgs. 79a–97; Lesson 5 pgs. 97a–125; Lesson 11 pgs. 243a–249	
<b>MS-LS2-4.</b> Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 7 pgs. 147a–179; Lesson 11 pgs. 243a–249	
<b>MS-LS2-5.</b> Evaluate competing design solutions for maintaining biodiversity and ecosystem services.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 9 pgs. 199a–221; Lesson 10 pgs. 221a–243; Lesson 11 pgs. 243a–249	
MS-LS3. Heredity: Inheritance and Variation of Tra	aits	
<b>MS-LS3-1.</b> Develop and use a model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism.	Genes and Molecular Machines TE: Lesson 1 pgs. 1a–17; Lesson 6 pgs. 87c–111; Lesson 11 pgs. 181a–186	
<b>MS-LS3-2.</b> Develop and use a model to describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation.	Genes and Molecular Machines TE: Lesson 1 pgs. 1a–17; Lesson 3 pgs. 33c–49; Lesson 4 pgs. 49a–67; Lesson 5 pgs. 67a–87b; Lesson 8 pgs. 129a–141; Lesson 11 pgs. 181a–186	
MS-LS4. Biological Evolution: Unity and Diversity		
<b>MS-LS4-1.</b> Analyze and interpret data for patterns in the fossil record that document the existence, diversity, extinction, and change of life forms throughout the history of life on Earth under the assumption that natural laws operate today as in the past.	Earth's Dynamic Systems TE: Lesson 1 pgs. 1a–13a; Lesson 9 pgs. 241c–275a; Lesson 12 pgs. 319c–329	
<b>MS-LS4-2.</b> Apply scientific ideas to construct an explanation for the anatomical similarities and differences among modern organisms and between modern and fossil organisms to infer evolutionary relationships.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 6 pgs. 111a–141; Lesson 8 pgs. 165a–171a	



<b>MS-LS4-3.</b> Analyze displays of pictorial data to compare patterns of similarities in the embryological development across multiple species to identify relationships not evident in the fully formed anatomy.	Structure and Function TE: Lesson 1 pgs. 1a–15; Lesson 2 pgs. 15a–43a; Lesson 8 pgs. 165a–171a
<b>MS-LS4-4.</b> Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 8 pgs. 179a–199; Lesson 11 pgs. 243a–249  Genes and Molecular Machines TE: Lesson 1 pgs. 1a–17; Lesson 9 pgs. 141a–165; Lesson 11 pgs. 181a–186
<b>MS-LS4-5.</b> Gather and synthesize information about the technologies that have changed the way humans influence the inheritance of desired traits in organisms.	Genes and Molecular Machines TE: Lesson 1 pgs. 1a–17; Lesson 9 pgs. 141a–165; Lesson 10 pgs. 165a–181; Lesson 11 pgs. 181a–186
<b>MS-LS4-6.</b> Use mathematical representations to support explanations of how natural selection may lead to increases and decreases of specific traits in populations over time.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 8 pgs. 179a–199; Lesson 11 pgs. 243a–249  Genes and Molecular Machines TE: Lesson 1 pgs. 1a–17; Lesson 9 pgs. 141a–165; Lesson 11 pgs. 181a–187



Middle School Earth/Space Science	
MS-ESS1. Earth's Place in the Universe	
Performance Expectation	Correlation to STC for Middle School™
<b>MS-ESS1-1.</b> Develop and use a model of the Earthsun-moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.	Space Systems Exploration         TE: Lesson 1 pgs. 1a-17; Lesson 2 pgs. 17a-35;         Lesson 3 pgs. 35a-57; Lesson 4 pgs. 57a-77;         Lesson 5 pgs. 77a-95; Lesson 10 pgs. 187a-193
MS-ESS1-2. Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.  MS-ESS1-3. Analyze and interpret data to determine scale properties of objects in the solar system.	Space Systems Exploration         TE: Lesson 1 pgs. 1a-17; Lesson 7 pgs. 127a-147;         Lesson 8 pgs. 147a-167; Lesson 10 pgs. 187a-193         Space Systems Exploration         TE: Lesson 1 pgs. 1a-17; Lesson 6 pgs. 95a-127;         Lesson 10 pgs. 187a-193
<b>MS-ESS1-4.</b> Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's 4.6-billion-year-old history.	Earth's Dynamic Systems TE: Lesson 1 pgs. 1a–13a; Lesson 9 pgs. 241c–275a; Lesson 11 pgs. 295c–319a; Lesson 12 pgs. 319c–329
MS-ESS2. Earth's Systems	
<b>MS-ESS2-1.</b> Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process.	Earth's Dynamic Systems TE: Lesson 1 pgs. 1a–13a; Lesson 5 pgs. 117c–147a; Lesson 12 pgs. 319c–329
<b>MS-ESS2-2.</b> Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.	Earth's Dynamic Systems TE: Lesson 1 pgs. 2–13; Lesson 3 pgs. 40–73; Lesson 4 pgs. 74–117; Lesson 5 pgs. 118–147; Lesson 6 pgs. 148–181; Lesson 7 pgs. 182–209; Lesson 8 pgs. 210–241; Lesson 11 pgs. 296–319; Lesson 12 pgs. 320–329
<b>MS-ESS2-3.</b> Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.	Earth's Dynamic Systems TE: Lesson 1 pgs. 2–13; Lesson 4 pgs. 74–117; Lesson 11 pgs. 296–319; Lesson 12 pgs. 320–329
<b>MS-ESS2-4.</b> Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.	Weather and Climate Systems TE: Lesson 1 pgs. vi-9; Lesson 3 pgs. 23a-41; Lesson 12 pgs. 199a-205
<b>MS-ESS2-5.</b> Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.	Weather and Climate Systems         TE: Lesson 1 pgs. vi-9; Lesson 3 pgs. 23a-41;         Lesson 4 pgs. 41a-63a; Lesson 6 pgs. 81a-101;         Lesson 7 pgs. 101a-117b; Lesson 8 pgs. 117c-139;         Lesson 12 pgs. 199a-205



<b>MS-ESS2-6.</b> Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.	Weather and Climate Systems TE: Lesson 1 pgs. vi-9; Lesson 2 pgs. 9a-23; Lesson 4 pgs. 41a-63a; Lesson 5 pgs. 63c-81; Lesson 6 pgs. 81a-101; Lesson 7 pgs. 101a-117b; Lesson 9 pgs. 139a-153; Lesson 12 pgs. 199a-205
MS-ESS3. Earth and Human Activity	
<b>MS-ESS3-1.</b> Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes.	Earth's Dynamic Systems TE: Lesson 1 pgs. 1a–13a; Lesson 10 pgs. 275c–295a; Lesson 12 pgs. 319c–329
<b>MS-ESS3-2.</b> Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.	Weather and Climate Systems TE: Lesson 1 pgs. vi–9; Lesson 6 pgs. 81a–101; Lesson 7 pgs. 101a–117b; Lesson 8 pgs. 117c–139; Lesson 12 pgs. 199a–205
	Earth's Dynamic Systems TE: Lesson 1 pgs. 1a–13a; Lesson 2 pgs. 13c–39a; Lesson 3 pgs. 39c–73a; Lesson 4 pgs. 73c–117a; Lesson 6 pgs. 147a–181; Lesson 7 pgs. 181a–209a; Lesson 12 pgs. 319c–329
<b>MS-ESS3-3.</b> Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.	Ecosystems and Their Interactions TE: Lesson 1 pgs. 1a–27; Lesson 10 pgs. 221a–243; Lesson 11 pgs. 243a–249
<b>MS-ESS3-4.</b> Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.	Weather and Climate Systems TE: Lesson 1 pgs. vi-9; Lesson 11 pgs. 175c-199; Lesson 12 pgs. 199a-205
<b>MS-ESS3-5.</b> Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.	Weather and Climate Systems TE: Lesson 1 pgs. vi–9; Lesson 10 pgs. 153a–175b; Lesson 12 pgs. 199a–205



### **Middle School Engineering Design**

### MS-ETS1. Engineering Design

**MS-ETS1-1.** Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

#### **Matter and Its Interactions**

**TE:** Lesson 8 pgs. 163a–181b; Lesson 11 pgs. 219a–226a

### **Energy, Forces, and Motion**

**TE:** Lesson 1 pgs. iv–13; Lesson 8 pgs. 123a–141; Lesson 9 pgs. 141a–153

### **Electricity, Waves, and Information Transfer**

**TE:** Lesson 1 pgs. vi–19; Lesson 5 pgs. 91a–115a; Lesson 8 pgs. 157c–177

### **Ecosystems and Their Interactions**

**TE:** Lesson 2 pgs. 27a–49; Lesson 9 pgs. 199a–221; Lesson 11 pgs. 243a–249

### **Space Systems Exploration**

**TE:** Lesson 6 pgs. 95a–127; Lesson 9 pgs. 167a–187; Lesson 10 pgs. 187a–193

### **Weather and Climate Systems**

**TE:** Lesson 8 pgs. 117c–139

### **Earth's Dynamic Systems**

**TE:** Lesson 2 pgs. 13c-39a

**MS-ETS1-2.** Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.

#### **Matter and Its Interactions**

**TE:** Lesson 8 pgs. 163a–181b; Lesson 11 pgs. 219a–226a

### Energy, Forces, and Motion

**TE:** Lesson 1 pgs. iv–13; Lesson 8 pgs. 123a–141; Lesson 9 pgs. 141a–153

### **Electricity, Waves, and Information Transfer**

**TE:** Lesson 5 pgs. 91a–115a; Lesson 8 pgs. 157*c*–177

#### **Ecosystems and Their Interactions**

**TE:** Lesson 11 pgs. 243a–249

### **Space Systems Exploration**

**TE:** Lesson 10 pgs. 187a–193

### **Weather and Climate Systems**

**TE:** Lesson 8 pgs. 117c–139

#### **Earth's Dynamic Systems**

**TE:** Lesson 2 pgs. 13c–39a



MS-ETS1-3. Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.	Matter and Its Interactions TE: Lesson 8 pgs. 163a–181b; Lesson 11 pgs. 219a–226a  Energy, Forces, and Motion TE: Lesson 1 pgs. iv–13; Lesson 6 pgs. 81a–103; Lesson 8 pgs. 123a–141; Lesson 9 pgs. 141a–153  Electricity, Waves, and Information Transfer TE: Lesson 5 pgs. 91a–115a; Lesson 8 pgs. 157c–177  Earth's Dynamic Systems TE: Lesson 2 pgs. 13c–39a
MS-ETS1-4. Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.	Matter and Its Interactions TE: Lesson 8 pgs. 163a–181b; Lesson 11 pgs. 219a–226a  Energy, Forces, and Motion TE: Lesson 8 pgs. 123a–141; Lesson 9 pgs. 141a–153  Electricity, Waves, and Information Transfer TE: Lesson 5 pgs. 91a–115a; Lesson 8 pgs. 157c–177  Earth's Dynamic Systems TE: Lesson 2 pgs. 13c–39a









Jnits for Grades 6—



# STCMS™ California Scope and Sequence for Grades 6–8

### **Weather and Climate Systems**

ESS2-4, ESS2-5, ESS2-6, ESS3-2, ESS3-4, ESS3-5, PS3-4, ETS1-1, ETS1-2

### **Earth's Dynamic Systems**

LS4-1, ESS1-4, ESS2-1, ESS2-2, ESS2-3, ESS3-1,ESS3-2, ETS1-1, ETS1-2, ETS1-3, ETS1-4

### **Space Systems Exploration**

PS2-4, ESS1-1, ESS1-2, ESS1-3, ETS1-1, ETS1-2

#### Structure and Function

LS1-1, LS1-2, LS1-3, LS1-6, LS1-7, LS1-8, LS4-2, LS4-3

### **Ecosystems and Their Interactions**

LS1-5, LS1-6, LS2-1, LS2-2, LS2-3, LS2-4, LS2-5, LS4-4, LS4-6, ESS3-3, ETS1-1, ETS1-2

### Genes and Molecular Machines

LS1-1, LS1-4, LS3-1, LS3-2, LS4-4, LS4-5, LS4-6

### **Electricity, Waves, and Information Transfer**

LS1-8, PS2-3, PS2-5, PS3-3, PS3-4, PS3-5, PS4-1, PS4-2, PS4-3, ETS1-1, ETS1-2, ETS1-3, ETS1-4

#### Matter and Its Interactions

PS1-1, PS1-2, PS1-3, PS1-4, PS1-5, PS1-6, PS3-4, ETS1-1, ETS1-2, ETS1-3, ETS1-4

#### **Energy, Forces, and Motion**

PS2-1, PS2-2, PS2-3, PS2-5, PS3-1, PS3-2, PS3-5, ETS1-1, ETS1-2, ETS1-3, ETS1-4

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For more information visit carolina.com/cascience

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