

EARTH AND SPACE SCIENCES

MS-ESS1 Earth's Place in the Universe

ESS1A The Universe and Its Stars

- What Happened at the Beginning of Time? <https://app.squidbooks.com/browse/ESS1A/2>
- How Does Gravity Keep Us in Our Place? <https://app.squidbooks.com/browse/ESS1A/3>
- Where Is Our Place in the Universe? <https://app.squidbooks.com/browse/ESS1A/4>
- Just How Big Is the Universe? <https://app.squidbooks.com/browse/ESS1A/5>

ESS1B Earth and the Solar System

- How Does a Star Give Us Light and Heat? <https://app.squidbooks.com/browse/ESS1B/2>
- What's in Our Solar System? <https://app.squidbooks.com/browse/ESS1B/3>
- How Do the Sun, Earth, and Moon Work Together? <https://app.squidbooks.com/browse/ESS1B/4>
- What Causes Days and Seasons? <https://app.squidbooks.com/browse/ESS1B/5>

ESS1C The History of Planet Earth

- How Do We Organize Earth's History? <https://app.squidbooks.com/browse/ESS1C/2>
- How Is Earth's History Buried in Rock Layers? <https://app.squidbooks.com/browse/ESS1C/3>
- How Do Fossils Give Us Clues About Earth's Past? <https://app.squidbooks.com/browse/ESS1C/4>
- What Tools Help Us Tell Time in Earth's Past? <https://app.squidbooks.com/browse/ESS1C/5>

MS-ESS2 Earth's Systems

ESS2A Earth's Materials and Systems

- How Are Rocks, Air, Water, and Life Connected? <https://app.squidbooks.com/browse/ESS2A/2>
- How Are Rocks Recycled on Earth? <https://app.squidbooks.com/browse/ESS2A/3>
- What Powers Our Planet? <https://app.squidbooks.com/browse/ESS2A/4>
- How Do Earth's Systems Stay Balanced? <https://app.squidbooks.com/browse/ESS2A/5>

ESS2B Plate Tectonics and Large-Scale System Interactions

- Why Are the Continents in Constant Motion? <https://app.squidbooks.com/browse/ESS2B/2>
- How Have Earth's Continents Shifted and Spread? <https://app.squidbooks.com/browse/ESS2B/3>
- How Did Earth Get Its Peaks, Dips, and Folds? <https://app.squidbooks.com/browse/ESS2B/4>
- What Happens at the Bottom of the Ocean? <https://app.squidbooks.com/browse/ESS2B/5>

ESS2C The Roles of Water in Earth's Surface Processes

	How Does Earth Cycle and Recycle Water?	https://app.squidbooks.com/browse/ESS2C/2
	How Does a Tiny Bit of Water Keep Earth Alive?	https://app.squidbooks.com/browse/ESS2C/3
	What Shapes Earth's Valleys and Caves?	https://app.squidbooks.com/browse/ESS2C/4
	How Does the Ocean Keep Its Water in Motion?	https://app.squidbooks.com/browse/ESS2C/5
ESS2D	Weather and Climate	
	What Makes Up Earth's Atmosphere?	https://app.squidbooks.com/browse/ESS2D/2
	Not Too Hot, Not Too Cold: What Keeps Earth Just Right?	https://app.squidbooks.com/browse/ESS2D/3
	How Does Weather Move and Change?	https://app.squidbooks.com/browse/ESS2D/4
	How Can We Predict Sunny Skies or Snow?	https://app.squidbooks.com/browse/ESS2D/5
	What Does the Ocean Have to Do With the Weather?	https://app.squidbooks.com/browse/ESS2D/6
	What Controls the Climate in Different Places?	https://app.squidbooks.com/browse/ESS2D/7
MS-ESS3 Earth and Human Activity		
ESS3A	Natural Resources	
	What Resources Do We Need to Survive and Thrive?	https://app.squidbooks.com/browse/ESS3A/2
	How Can We Use Earth's Resources Wisely?	https://app.squidbooks.com/browse/ESS3A/3
	Where Do Natural Resources Come From?	https://app.squidbooks.com/browse/ESS3A/4
ESS3B	Natural Hazards	
	How Can We Respond to Earth's Natural Threats?	https://app.squidbooks.com/browse/ESS3B/2
	What Causes our Planet to Shake and Rumble?	https://app.squidbooks.com/browse/ESS3B/3
	What Makes Lava Spew From Earth's Surface?	https://app.squidbooks.com/browse/ESS3B/4
	How Do Violent Storms Happen?	https://app.squidbooks.com/browse/ESS3B/5
	What Causes Too Much or Too Little Water?	https://app.squidbooks.com/browse/ESS3B/6
	What Happens When Woodland Areas Burn?	https://app.squidbooks.com/browse/ESS3B/7
ESS3C	Human Impacts on Earth Systems	
	How Are Humans Like Overactive Beavers?	https://app.squidbooks.com/browse/ESS3C/2
	How Do We Change the Land Around Us?	https://app.squidbooks.com/browse/ESS3C/3
	How Do Our Actions Affect Other Living Things?	https://app.squidbooks.com/browse/ESS3C/4
	How Does Our Population Impact the Planet?	https://app.squidbooks.com/browse/ESS3C/5

ESS3D Global Climate Change

How Do Our Actions Change Earth's Atmosphere?	https://app.squidbooks.com/browse/ESS3D/2
What Causes Earth's Temperature to Change?	https://app.squidbooks.com/browse/ESS3D/3
What Happens When Earth's Temperature Rises?	https://app.squidbooks.com/browse/ESS3D/4
How Can Humans Survive on a Changing Planet?	https://app.squidbooks.com/browse/ESS3D/5

LIFE SCIENCE

MS-LS1 From Molecules to Organisms: Structures and Processes

LS1A Structure and Function

What Do All Living Things Have in Common?	https://app.squidbooks.com/browse/LS1A/2
How Do a Cell's Parts Work Together?	https://app.squidbooks.com/browse/LS1A/3
How Do Groups of Cells Work Together?	https://app.squidbooks.com/browse/LS1A/4

LS1B Growth and Development of Organisms

What Helps Living Things Attract Mates?	https://app.squidbooks.com/browse/LS1B/2
What Makes Living Things Grow and Change?	https://app.squidbooks.com/browse/LS1B/3

LS1C Organization for Matter and Energy Flow in Organisms

How Do Plants Use the Sun's Energy to Make Food?	https://app.squidbooks.com/browse/LS1C/2
How Do Living Things Get Energy from Food?	https://app.squidbooks.com/browse/LS1C/3

LS1D Information Processing

How Do Our Brains Make Sense of Information?	https://app.squidbooks.com/browse/LS1D/2
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MS-LS2 Ecosystems: Interactions, Energy, and Dynamics

LS2A Interdependent Relationships in Ecosystems

How Are Living and Nonliving Things Connected?	https://app.squidbooks.com/browse/LS2A/2
How Do Living Things Compete for Resources?	https://app.squidbooks.com/browse/LS2A/3

LS2B Cycles of Matter and Energy Transfer in Ecosystems

How Do Energy and Matter Move in Ecosystems?	https://app.squidbooks.com/browse/LS2B/2
How Do Earth's Systems Stay Balanced?	https://app.squidbooks.com/browse/LS2B/3

LS2C Ecosystem Dynamics, Functioning, and Resilience

How Do Ecosystems Change?	https://app.squidbooks.com/browse/LS2C/2
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Why Do We Need Many Types of Living Things?

<https://app.squidbooks.com/browse/LS2C/3>

MS-LS3 Heredity: Inheritance and Variation of Traits

LS3A Inheritance of Traits

Why Is Your Hair Blonde and Mine Brown?

<https://app.squidbooks.com/browse/LS3A/2>

How Are Genes Organized in a Cell?

<https://app.squidbooks.com/browse/LS3A/3>

How Are Traits Inherited?

<https://app.squidbooks.com/browse/LS3A/4>

What Are the Chances of Inheriting a Certain Trait?

<https://app.squidbooks.com/browse/LS3A/5>

LS3B Variation of Traits

How Do Parents Pass Traits to Offspring?

<https://app.squidbooks.com/browse/LS3B/2>

What Causes Genes to Change?

<https://app.squidbooks.com/browse/LS3B/3>

Can My Pet Get COVID-19?

<https://app.squidbooks.com/browse/LS3B/4>

MS-LS4 Biological Evolution: Unity and Diversity

LS4A Evidence of Common Ancestry and Diversity

What Can Fossils Show Us About Life on Earth?

<https://app.squidbooks.com/browse/LS4A/2>

How Do Fossils Give Us Clues About Earth's Past?

<https://app.squidbooks.com/browse/LS4A/3>

How Is Earth's History Buried in Rock Layers?

<https://app.squidbooks.com/browse/LS4A/4>

What Tools Help Us Tell Time in Earth's Past?

<https://app.squidbooks.com/browse/LS4A/5>

LS4B Natural Selection

How Does One Trait Get Chosen Over Another?

<https://app.squidbooks.com/browse/LS4B/2>

LS4C Adaptation

How Do Groups of Living Things Change Over Time?

<https://app.squidbooks.com/browse/LS4C/2>

LS4D Biodiversity and Humans

How Do Other Living Things Help Humans?

<https://app.squidbooks.com/browse/LS4D/2>

PHYSICAL SCIENCE		
MS-PS1 Matter and its Interactions		
PS1A	Structure and Properties of Matter	
	Atoms, Molecules, and Substances	https://app.squidbooks.com/browse/PS1A/2
	Physical and Chemical Properties of Pure Substances	https://app.squidbooks.com/browse/PS1A/3
	States of Matter and Their Changes	https://app.squidbooks.com/browse/PS1A/4
PS1B	Chemical Reactions	
	Chemical Reactions	https://app.squidbooks.com/browse/PS1B/2
MS-PS2 Motion and Stability: Forces and Interactions		
PS2A	Forces and Motion	
	Forces and Interacting Objects	https://app.squidbooks.com/browse/PS2A/2
	Forces and Motion	https://app.squidbooks.com/browse/PS2A/3
	Force, Mass, and Change in Motion	https://app.squidbooks.com/browse/PS2A/4
	Reference Frames: Describing Forces and Motion	https://app.squidbooks.com/browse/PS2A/5
PS2B	Types of Interactions	
	Non-contact Forces	https://app.squidbooks.com/browse/PS2B/2
	Electric and Magnetic Forces	https://app.squidbooks.com/browse/PS2B/3
	Gravitational Force	https://app.squidbooks.com/browse/PS2B/4
	Space Science Connection: Gravity	https://app.squidbooks.com/browse/PS2B/5
MS-PS3 Energy		

PS3A	Definitions of Energy	
	Kinetic and Potential Energy	https://app.squidbooks.com/browse/PS3A/2
	Thermal Energy	https://app.squidbooks.com/browse/PS3A/3
PS3B	Conservation of Energy and Energy Transfer	
	Conservation of Energy	https://app.squidbooks.com/browse/PS3B/2
PS3C	Relationship Between Energy and Forces	
	Relationship Between Energy and Forces	https://app.squidbooks.com/browse/PS3C/2
PS3D	Energy in Chemical Processes and Everyday Life	
	Life Science Connection: Photosynthesis	https://app.squidbooks.com/browse/PS3D/2
	Life Science Connection: Cellular Respiration	https://app.squidbooks.com/browse/PS3D/3
MS-PS4 Waves and their Applications in Technologies for Information Transfer		
PS4A	Wave Properties	
	Waves and Their Properties	https://app.squidbooks.com/browse/PS4A/2
PS4B	Electromagnetic Radiation	
	Light Waves	https://app.squidbooks.com/browse/PS4B/2
PS4C	Information Technologies and Instrumentation	
	Waves and Technology	https://app.squidbooks.com/browse/PS4C/2