



IXL Skill Alignment

3rd Grade alignment for McGraw Hill Texas Science



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www.ixl.com/science/skill-plans/mcgraw-hill-texas-science-grade-3

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Chapter 1

Onward We Go

Textbook section	IXL skills
Day 1: STEM Connection	
Day 2: Claim, Evidence, Reasoning	
Day 2: Descriptive Investigations	
Day 3: Soap and Germs Model	
Day 4: Tools and Safety	
Day 4: Build Your Skill	
Day 5: Engineering Design Process	<ol style="list-style-type: none"> 1. Solve problems using magnets 85B 2. Evaluate multiple design solutions to prevent flooding LYN 3. Identify the best design solution to prevent hurricane damage 3X9 4. Evaluate multiple design solutions to prevent erosion 5PK
Day 5: Gumdrop Bridge	<p><i>Also consider</i></p> <ul style="list-style-type: none"> • Choose units of time KH5 • Choose customary units of distance BQJ • Choose metric units of distance H7R
Day 6: Models and Visuals	
Day 6: See, Scan, Analyze	
Day 7: Data Literacy	
Day 7: Build Your Skill	
Day 8: Research and Communication	



Day 9: Recurring Themes and Concepts

Chapter 2

Physical Properties of Matter

Textbook section	IXL skills
Lesson 2.1: Matter Is Everywhere	<ol style="list-style-type: none">1. Identify properties of an object T8Z2. Compare properties of objects NKN3. Compare properties of materials X2K4. Read a thermometer UXH <p><i>Also consider</i></p> <ul style="list-style-type: none">• Compare temperatures on thermometers RRA
Lesson 2.2: Samples of Matter	<ol style="list-style-type: none">1. Classify matter as solid, liquid, or gas EAY2. Identify solids, liquids, and gases WF53. Sort solids, liquids, and gases 9Y3
Lesson 2.3: Matter Changes	<ol style="list-style-type: none">1. Change-of-state diagrams: solid, liquid, and gas YGP2. Heating, cooling, and changes of state 87K
Lesson 2.4: Materials and Objects	<ol style="list-style-type: none">1. Identify multiple materials in objects NEZ

Chapter 3

Forces

Textbook section	IXL skills
Lesson 3.1: Push and Pull Objects	1. Identify pushes and pulls Z79
Lesson 3.2: Changes in Motion and Position	1. How do balanced and unbalanced forces affect motion? MGM <i>Also consider</i> <ul style="list-style-type: none">• How do mass and force affect motion? E8S
Lesson 3.3: Objects and Gravity	
Lesson 3.4: Objects and Magnetism	1. Identify magnets that attract or repel JCN 2. Label magnets that attract or repel 8NG 3. Compare strengths of magnetic forces RTM

Chapter 4

Everyday Energy

Textbook section	IXL skills
Lesson 4.1: Light Energy	
Lesson 4.2: Sound Energy	
Lesson 4.3: Thermal Energy	1. How is temperature related to thermal energy? 38M

Chapter 5

Mechanical Energy and Speed

Textbook section	IXL skills
Lesson 5.1: Mechanical Energy	
Lesson 5.2: Objects and Speed	

Chapter 6

Earth's Surface and Resources

Textbook section	IXL skills
Lesson 6.1: Soil Formation	
Lesson 6.2: Rapid Changes	<ol style="list-style-type: none">Changes to Earth's surface: earthquakes 48UChanges to Earth's surface: volcanic eruptions PUF <p><i>Also consider</i></p> <ul style="list-style-type: none">Classify changes to Earth's surface I XLTClassify changes to Earth's surface II 2DNFind evidence of changes to Earth's surface TY2
Lesson 6.3: Humans Use Natural Resources	<ol style="list-style-type: none">Natural resources 9J7
Lesson 6.4: Conservation Is Important	
Lesson 6.5: Conserve Natural Resources	

Chapter 7

Weather and Space

Textbook section	IXL skills
Lesson 7.1: Day-to-Day Weather	1. Collect and graph temperature data GWZ
Lesson 7.2: Weather in Different Locations	
Lesson 7.3: Orbits and Relationships	
Lesson 7.4: Earth's Solar System	1. Identify the planets in the solar system SFA

Chapter 8

Growth and Behavior

Textbook section	IXL skills
Lesson 8.1: Migration and Hibernation	1. Benefits of group behavior: North American caribou HXS
Lesson 8.2: Dormancy	

Chapter 9

Energy Flow and Ecosystems

Textbook section

IXL skills

Lesson 9.1: Energy Flow in Food Chains

1. Identify roles in food chains BQY
2. How does matter move in food chains? TC8

Lesson 9.2: Changes in Food Chains and Ecosystems

Lesson 9.3: Natural Changes

Lesson 9.4: Fossil Evidence

1. Introduction to fossils PR8
2. Compare fossils to modern organisms JCL
3. Compare ancient and modern organisms: use observations to support a hypothesis 2TL

Chapter 10

Structures, Functions, and Life Cycles

Textbook section	IXL skills
Lesson 10.1: Animal Survival	<ol style="list-style-type: none">1. Animal adaptations: beaks, mouths, and necks RV52. Animal adaptations: feet and limbs S6C3. Animal adaptations: skins and body coverings 8ZN
Lesson 10.2: Insect Life Cycles	<ol style="list-style-type: none">1. Read animal life cycle diagrams WUA2. Construct animal life cycle diagrams S6J3. Compare stages of an animal's life cycle 7H84. Compare different animals' life cycles 4N7
Lesson 10.3: Plant Life Cycles	<ol style="list-style-type: none">1. Read and construct flowering plant life cycle diagrams LKD