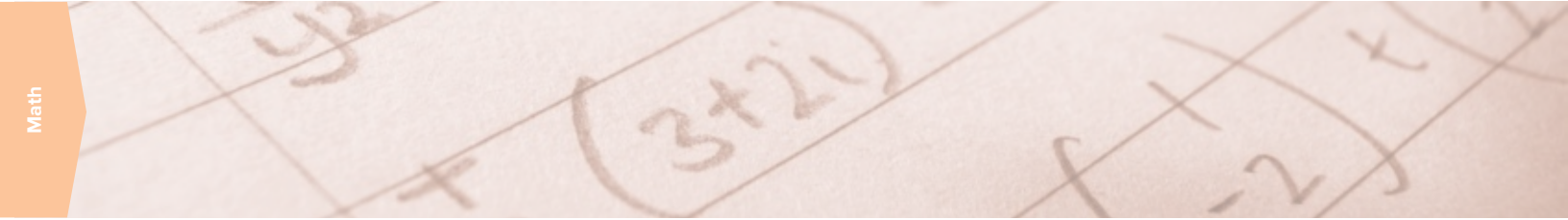


Series Crosswalks

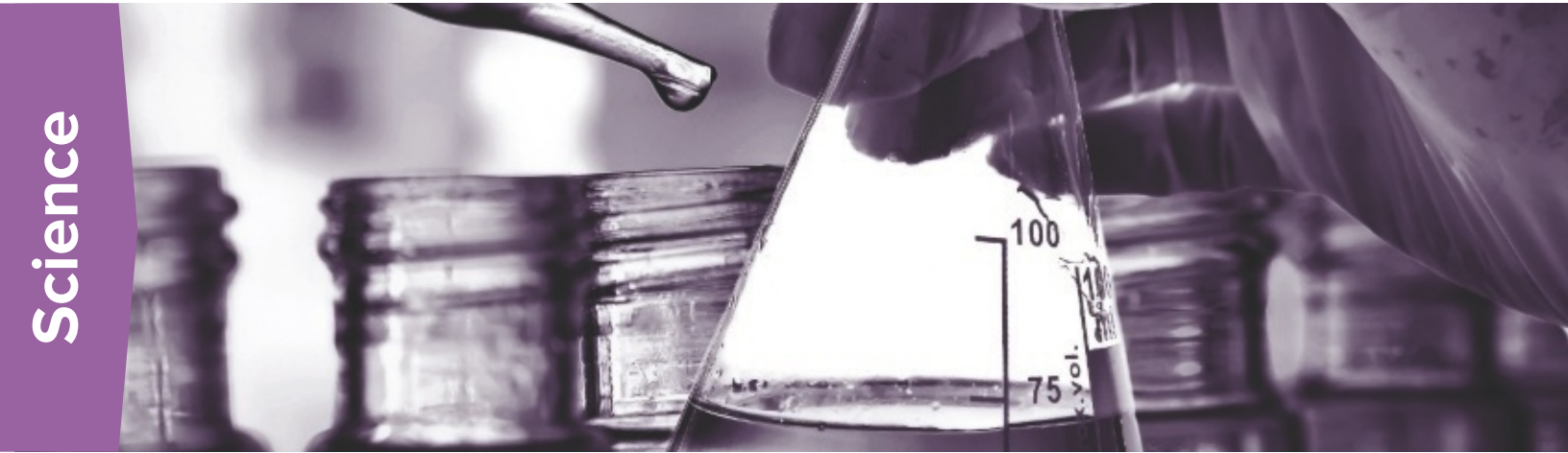
Math



Writing



Science



Reading



Social Studies



Introduction

McGraw-Hill Education’s *College and Career Readiness Practice Workbooks* align to the College and Career Readiness Standards (CCRS) and develop the foundational skills needed for High School Equivalency success. Because the series was designed to align to a number of key standards and examination objectives within Adult Education, these workbooks can be used with a number of other McGraw-Hill Education programs.

How to Use the Crosswalk

This document provides you with the information you need to fit this workbook series perfectly into your instruction as either stand-alone practice, or as additional practice supporting a number of other McGraw-Hill Education literacy, numeracy, and test preparation materials. With these crosswalks and reverse crosswalks, you will be able to use the CCR Practice Workbooks in the following ways:

Stand-alone Practice	Additional Practice	Pre-/Post-Assessment
Use the workbooks as stand-alone practice to determine students’ skill and content mastery levels. Use the crosswalks to determine what materials can be used to reinforce concepts not yet mastered.	Use the reverse crosswalks to determine which workbooks and lessons can help reinforce or remediate lessons within McGraw-Hill Education programs you already use.	Use the workbooks to assess student understanding before or after teaching a particular concept.

This specific document includes the crosswalks and reverse crosswalks for the Science workbooks. If no page numbers are specified, then the entire lesson/chapter/unit references that content or skill.

Table of Contents

CCR Practice Workbook Alignments to Other McGraw-Hill Education Series

Use the crosswalk to identify what pages and lessons from McGraw-Hill Education titles align to each lesson within the College and Career Readiness Science Practice Workbooks.

Earth and Space Science CCR Practice Workbook	2
Life Science CCR Practice Workbook	4
Physical Science CCR Practice Workbook	6

McGraw-Hill Education Series Alignments to the CCR Practice Workbooks

Use the reverse crosswalks to identify how the College and Career Readiness Science Practice Workbooks can be used to supplement other McGraw-Hill Education programs.

High School Equivalency Basics Science	8
High School Equivalency Achieve Science	11

McGraw-Hill Education College and Career Readiness Resources



SCIENCE

Earth and Space Science

Use the following *High School Equivalency Basics Science* and *High School Equivalency Achieve Science* resources to provide additional practice for the following *College and Career Readiness Practice Workbook: Earth and Space Science* lessons.

Earth and Space Science Lessons

McGraw-Hill Education Resources

<p>L1 Effects of Earth's Internal Processes</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L10.1 Cycles of Matter <p>HSE Achieve</p> <ul style="list-style-type: none"> • L8.3 Earth's Structure, Composition, and Landforms
<p>Skill Understand Central Ideas and Supporting Details</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 393
<p>L2 Structures and Matter in the Universe</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L12.2 Origins of the Universe • L12.3 The Milky Way and the Solar System • L12.4 Earth and the Moon <p>HSE Achieve</p> <ul style="list-style-type: none"> • L9.1 Structures in the Universe • L9.2 Structures in the Solar System
<p>Skill Summarize Complex Concepts</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 415 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 332–333, 356–357
<p>L3 The Role of Water in Earth Processes</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 362 • L11.2 Oceanography <p>HSE Achieve</p> <ul style="list-style-type: none"> • L8.2 The Oceans
<p>Skill Recognize a Sequence</p>	<p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 325, 337
<p>L4 Weather and Climate</p>	<p>HSE Achieve</p> <ul style="list-style-type: none"> • L11.3 Meteorology <p>HSE Achieve</p> <ul style="list-style-type: none"> • p. 320–321 • L8.1 The Atmosphere
<p>Skill Apply Quantitative or Technical Information</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 406–407, 434–435 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 314, 332–333, 349

<p>L5 Human Impacts on Earth Systems</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 371–373 <p>HSE Achieve</p> <ul style="list-style-type: none"> pp. 293, 313–315
<p>Skill Quantitative Problem Solving</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 378–379, 414 <p>HSE Achieve</p> <ul style="list-style-type: none"> pp. 332–333, 345, 349
<p>L6 Global Climate Change</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 123, 371, 398 <p>HSE Achieve</p> <ul style="list-style-type: none"> pp. 291, 293, 301, 314, 332–333
<p>Skill Cite Evidence to Support Analysis</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 399, 406–407, 419, 421–422, 425–426 <p>HSE Achieve</p> <ul style="list-style-type: none"> pp. 338, 346, 356–357
<p>L7 Large-Scale System Interactions</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 384–386, 392 <p>HSE Achieve</p> <ul style="list-style-type: none"> L8.5 Interactions Between Earth’s Systems
<p>Skill Evaluate Multiple Sources of Information</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 378–379, 383, 385 <p>HSE Achieve</p> <ul style="list-style-type: none"> pp. 293, 317, 321, 356–357
<p>L8 Plate Tectonics</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 384–386 <p>HSE Achieve</p> <ul style="list-style-type: none"> pp. 307–309
<p>Skill Apply the Scientific Method to a Unique Situation</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> pp. 359, 378–379, 387, 398, 406–407, 434–435 <p>HSE Achieve</p> <ul style="list-style-type: none"> pp. 28, 300, 305, 332–333, 356–357



SCIENCE

Life Science

Use the following *High School Equivalency Basics Science* and *High School Equivalency Achieve Science* resources to provide additional practice for the following *College and Career Readiness Practice Workbook: Life Science* lessons.

Life Science Lessons

McGraw-Hill Education Resources

<p>L1 Energy Intake in the Human Body</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 32 • L1.2 Digestive, Respiratory, Excretory, and Circulatory Systems <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 22–25 • L1.5 Nutrition
<p>Skill Use Context to Define Uncommon Terms</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 20, 63, 93, 98, 111, 211, 220 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 77, 107
<p>L2 Structure and Function in the Human Body</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L1.1 Skeletal and Muscular Systems • L1.2 Digestive, Respiratory, Excretory, and Circulatory Systems • L1.3 Nervous, Endocrine, and Reproductive Systems <p>HSE Achieve</p> <ul style="list-style-type: none"> • L1.1 Skeletal, Muscular and, Nervous Systems • L1.2 Digestive, Respiratory, Excretory, and Circulatory Systems • L1.3 Endocrine and Reproductive Systems
<p>Skill Understand Central Ideas and Summarize Concepts</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 26, 32, 39, 106, 177, 179, 222 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 18, 22, 29, 75, 123
<p>L3 Inheritance and Variability of Traits</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L5.1 Genetics • L5.2 Genotypes and Phenotypes <p>HSE Achieve</p> <ul style="list-style-type: none"> • L4.1 Basic Principles of Genetics • L4.2 Probability of Traits • L4.4 Heredity: Genetic Variations and Expressions
<p>Skill Examine Cause and Effect</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 19, 225 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 49, 94–95

<p>L4 Human Body and Health</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L1.4 Health and Disease <p>HSE Achieve</p> <ul style="list-style-type: none"> • L1.6 Disease Prevention
<p>Skill Analyze Quantitative or Technical Information</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 50–51, 93, 98, 103, 130–131, 233–234 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 45, 51, 58–59, 129, 138–139, 180–181
<p>L5 Factors Affecting Biodiversity</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 93, 99, 113–114, 121 <p>HSE Achieve</p> <ul style="list-style-type: none"> • L2.4 Disruptions to Ecosystems
<p>Skill Apply Quantitative or Technical Information</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 50–51, 84–85, 130–131, 172–173, 196–197, 233–234 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 44, 58–59, 138–139, 151
<p>L6 Social Interactions and Group Behavior</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L3.1 Ecosystems • L3.2 Carrying Capacity • L3.3 Symbiosis <p>HSE Achieve</p> <ul style="list-style-type: none"> • L2.1 Living Things and Their Environment • L2.2 Movement of Energy and Matter • L2.3 Interactions Among Populations
<p>Skill Make Logical Inferences</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 36, 100, 158
<p>L7 Evolution</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L6.1 Biological Evolution • L6.2 Common Ancestry and Cladograms • L6.3 Speciation <p>HSE Achieve</p> <ul style="list-style-type: none"> • L4.3 Common Ancestry • L4.5 Selection and Adaption
<p>Skill Evaluate Multiple Sources of Information</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 25, 27–28, 37, 40, 55, 59, 72, 113, 213 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 17, 25, 38, 64, 180–181
<p>L8 Disruption of Ecosystems</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 93 • L3.4 Disruption • L3.5 Environmental Issues <p>HSE Achieve</p> <ul style="list-style-type: none"> • L2.4 Disruption to Ecosystems
<p>Skill Apply Scientific Practices to a Unique Situation</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 57, 64, 71, 84–85, 149, 151, 157 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 58–59, 74, 94–95, 100, 111, 138–139, 145, 180–181



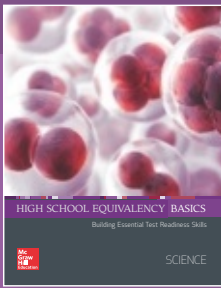
SCIENCE

Physical Science

Use the following *High School Equivalency Basics Science* and *High School Equivalency Achieve Science* resources to provide additional practice for the following *College and Career Readiness Practice Workbook: Physical Science* lessons.

Physical Science Lessons	McGraw-Hill Education Resources
L1 Wave Properties Skill Understand Central Ideas and Supporting	HSE Basics <ul style="list-style-type: none"> L7.2 Waves HSE Achieve <ul style="list-style-type: none"> L6.4 Waves
	HSE Basics <ul style="list-style-type: none"> pp. 239–240, 285, 287, 344 HSE Achieve <ul style="list-style-type: none"> pp. 235, 265
L2 Chemical Reactions Skill Summarize Complex Concepts	HSE Basics <ul style="list-style-type: none"> L7.5 Endothermic and Exothermic Reactions L9.4 Chemical Reactions and Solutions HSE Achieve <ul style="list-style-type: none"> L7.3 Chemical Reactions
	HSE Basics <ul style="list-style-type: none"> p. 255 HSE Achieve <ul style="list-style-type: none"> pp. 246–247, 284–285
L3 The Atom Skill Understand Quantitative or Technical Information	HSE Basics <ul style="list-style-type: none"> L9.2 The Atom HSE Achieve <ul style="list-style-type: none"> L7.1 The Structure of Matter
	HSE Basics <ul style="list-style-type: none"> pp. 255–256, 321, 333, 341 HSE Achieve <ul style="list-style-type: none"> pp. 187, 223, 230, 251
L4 Electricity and Magnetism Skill Apply Quantitative or Technical Information	HSE Basics <ul style="list-style-type: none"> Lesson 7.3: Electricity and Magnetism HSE Achieve <ul style="list-style-type: none"> pp. 215–216
	HSE Basics <ul style="list-style-type: none"> pp. 300–301, 353–354 HSE Achieve <ul style="list-style-type: none"> pp. 187, 193, 230, 246–249

<p>L5 Electromagnetic Radiation</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 244 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 236, 238–239
<p>Skill Quantitative Problem Solving</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 264, 300–301, 315, 353–354 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 187, 246–247, 284–285
<p>L6 Energy</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • L7.1 Energy • L7.4 Sources of Energy <p>HSE Achieve</p> <ul style="list-style-type: none"> • L6.1 Types of Energy and Energy Transformations • L6.2 Sources of Energy • L6.3 Heat
<p>Skill Reason to a Conclusion</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 248, 307 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 208–209, 238, 245–246, 258
<p>L7 Information Technologies and Instrumentation</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 244–245, 256 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 236–239, 241
<p>Skill Evaluate Multiple Sources of Information</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 300–301, 327, 341 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 185, 229
<p>L8 Collisions</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • p. 240 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 186–187, 208–209
<p>Skill Apply the Scientific Method to a Unique Situation</p>	<p>HSE Basics</p> <ul style="list-style-type: none"> • pp. 272, 280–281, 300–301, 313, 353–354 <p>HSE Achieve</p> <ul style="list-style-type: none"> • pp. 200, 208–209, 246–247, 269, 274, 284–285



Science

Use these *College and Career Readiness (CCR) Practice Workbooks: Life Science, Physical Science and Earth and Space Science* lessons to provide additional practice for the following *High School Equivalency Basics Science* lessons.

HSE Basics Lesson	CCR Practice Workbooks
L 1.1 Skeletal and Muscular Systems	<ul style="list-style-type: none"> LS L1 Use Context to Define Uncommon Terms LS L2 Structure and Function in the Human Body LS L3 Examine Cause and Effect
L1.2 Digestive, Respiratory, Excretory, and Circulatory Systems	<ul style="list-style-type: none"> LS L1 Energy Intake in the Human Body LS L2 Structure and Function in the Human Body LS L2 Understand Central Ideas and Summarize Concepts LS L7 Evaluate Multiple Sources of Information
L1.3 Nervous, Endocrine, and Reproductive Systems	<ul style="list-style-type: none"> LS L1 Energy Intake in the Human Body LS L2 Structure and Function in the Human Body LS L2 Understand Central Ideas and Summarize Concepts LS L7 Evaluate Multiple Sources of Information
L1.4 Health and Disease	<ul style="list-style-type: none"> LS L2 Understand Central Ideas and Summarize Concepts LS L4 Human Body and Health
Chapter 1 Application of Science Practices	<ul style="list-style-type: none"> LS L4 Analyze Quantitative or Technical Information
L2.1 Flowering Plants	<ul style="list-style-type: none"> LS L7 Evaluate Multiple Sources of Information LS L8 Apply Scientific Practices to a Unique Situation
L2.2 Respiration	<ul style="list-style-type: none"> LS L1 Use Context to Define Uncommon Terms LS L8 Apply Scientific Practices to a Unique Situation
L2.3 Fermentation	<ul style="list-style-type: none"> LS L7 Evaluate Multiple Sources of Information
Chapter 2 Application of Science Practices	<ul style="list-style-type: none"> LS L5 Apply Quantitative or Technical Information LS L8 Apply Scientific Practices to a Unique Situation
L3.1 Ecosystems	<ul style="list-style-type: none"> LS L1 Use Context to Define Uncommon Terms LS L4 Analyze Quantitative or Technical Information LS L5 Factors Affecting Biodiversity LS L6 Social Interactions and Group Behavior LS L8 Disruption of Ecosystems
L3.2 Carrying Capacity	<ul style="list-style-type: none"> LS L4 Analyze Quantitative or Technical Information LS L5 Factors Affecting Biodiversity LS L6 Social Interactions and Group Behavior
L3.3 Symbiosis	<ul style="list-style-type: none"> LS L2 Understand Central Ideas and Summarize Concepts LS L4 Analyze Quantitative or Technical Information LS L5 Factors Affecting Biodiversity LS L6 Social Interactions and Group Behavior
L 3.4 Disruption	<ul style="list-style-type: none"> LS L1 Use Context to Define Uncommon Terms LS L5 Factors Affecting Biodiversity LS L7 Evaluate Multiple Sources of Information LS L8 Disruption of Ecosystems

The following abbreviations represent each of the following CCR Practice Workbooks in the table

KEY: **LS** = Life Science **PS** = Physical Science **ESS** = Earth and Space Science

HSE Basics Lesson

CCR Practice Workbooks

L3.5 Environmental Issues	ESS L6 Global Climate Change
	LS L8 Disruption of Ecosystems
Chapter 3 Application of Science Practices	LS L4 Analyze Quantitative or Technical Information LS L5 Apply Quantitative or Technical Information
L4.3 Invertebrates	LS L8 Apply Scientific Practices to a Unique Situation
L4.4 Vertebrates	LS L8 Apply Scientific Practices to a Unique Situation
Chapter 4 Application of Science Practices	LS L5 Apply Quantitative or Technical Information
L5.1 Genetics	LS L2 Understand Central Ideas and Summarize Concepts LS L3 Inheritance and Variability of Traits
L5.2 Genotypes and Phenotypes	LS L3 Inheritance and Variability of Traits
Chapter 5 Application of Science Practices	LS L5 Apply Quantitative or Technical Information
L6.1 Biological Evolution	LS L7 Evolution
L6.2 Common Ancestry and Cladograms	LS L1 Use Context to Define Uncommon Terms LS L7 Evolution LS L7 Evaluate Multiple Sources of Information
L6.3 Speciation	LS L1 Use Context to Define Uncommon Terms LS L2 Understand Central Ideas and Summarize Concepts LS L3 Examine Cause and Effect LS L7 Evolution
Chapter 6 Application of Science Practices	LS L4 Analyze Quantitative or Technical Information LS L5 Apply Quantitative or Technical Information
L7.1 Energy	PS L1 Understand Central Ideas and Supporting Details PS L6 Energy PS L8 Collisions
L7.2 Waves	PS L1 Wave Properties PS L5 Electromagnetic Radiation PS L6 Reason to a Conclusion PS L7 Information Technologies and Instrumentation
L7.3 Electricity and Magnetism	PS L2 Summarize Complex Concepts
L7.3 Electricity and Magnetism	PS L3 Understand Quantitative or Technical Information PS L4 Electricity and Magnetism PS L7 Information Technologies and Instrumentation
L7.4 Sources of Energy	PS L5 Quantitative Problem Solving PS L6 Energy
L7.5 Endothermic and Exothermic Reactions	PS L2 Chemical Reactions PS L8 Apply the Scientific Method to a Unique Situation
Chapter 7 Application of Science Practices	PS L8 Apply the Scientific Method to a Unique Situation
Chapter 8 Application of Science Practices	PS L4 Apply Quantitative or Technical Information
L9.1 Matter	PS L6 Reason to a Conclusion
L9.2 The Atom	PS L3 The Atom PS L5 Quantitative Problem Solving PS L8 Apply the Scientific Method to a Unique Situation
L9.3 Compounds and Molecules	PS L3 Understand Quantitative or Technical Information PS L7 Evaluate Multiple Sources of Information

The following abbreviations represent each of the following CCR Practice Workbooks in the table

KEY: **LS** = Life Science **PS** = Physical Science **ESS** = Earth and Space Science

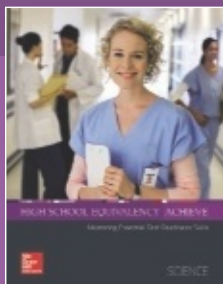
HSE Basics Lesson

CCR Practice Workbooks

L9.4 Chemical Reactions and Solutions	PS L2 Chemical Reactions
L9.5 The Chemistry of Life	PS L3 Understand Quantitative or Technical Information
L9.6 Chemical Equations	PS L1 Understand Central Ideas and Supporting Details PS L3 Understand Quantitative or Technical Information PS L7 Evaluate Multiple Sources of Information
Chapter 9 Application of Science Practices	PS L5 Quantitative Problem Solving PS L4 Apply Quantitative or Technical Information
Lesson 10.1 Cycles of Matter	ESS L1 Effects of Earth's Internal Processes ESS L3 The Role of Water in Earth Processes ESS L8 Apply the Scientific Method to a Unique Situation
L10.2 Fossil Fuels	ESS L5 Human Impacts on Earth Systems ESS L6 Global Climate Change
Chapter 10 Application of Science Practices	ESS L5 Quantitative Problem Solving ESS L7 Evaluate Multiple Sources of Information ESS L8 Apply the Scientific Method to a Unique Situation PS L7 Evaluate Multiple Sources of Information PS L5 Quantitative Problem Solving
L11.1 Geology	ESS L7 Large-Scale System Interactions ESS L7 Evaluate Multiple Sources of Information ESS L8 Plate Tectonics ESS L8 Apply the Scientific Method to a Unique Situation
L11.2 Oceanography	ESS L1 Understand Central Ideas and Supporting Details ESS L3 The Role of Water in Earth Processes ESS L6 Cite Evidence to Support Analysis ESS L7 Large-Scale System Interactions
L11.3 Meteorology	ESS L4 Weather and Climate ESS L6 Global Climate Change ESS L8 Apply the Scientific Method to a Unique Situation
Chapter 11 Application of Science Practices	ESS L4 Apply Quantitative or Technical Information ESS L6 Cite Evidence to Support Analysis ESS L8 Apply the Scientific Method to a Unique Situation PS L8 Apply the Scientific Method to a Unique Situation PS L8 Apply the Scientific Method to a Unique Situation
L12.2 Origins of the Universe	ESS L2 Structures and Matter in the Universe ESS L2 Summarize Complex Concepts ESS L5 Quantitative Problem Solving
L12.3 The Milky Way and the Solar System	ESS L2 Structures and Matter in the Universe ESS L6 Cite Evidence to Support Analysis
L12.4 Earth and the Moon	ESS L2 Structures and Matter in the Universe ESS L6 Cite Evidence to Support Analysis
Chapter 12 Application of Science Practices	ESS L4 Apply Quantitative or Technical Information ESS L8 Apply the Scientific Method to a Unique Situation

The following abbreviations represent each of the following CCR Practice Workbooks in the table

KEY: **LS** = Life Science **PS** = Physical Science **ESS** = Earth and Space Science



Science

Use these *College and Career Readiness (CCR) Practice Workbooks: Life Science, Physical Science and Earth and Space Science* lessons to provide additional practice for the following *High School Equivalency Achieve Science* lessons.

HSE Achieve Lesson	CCR Practice Workbooks
L1.1 Skeletal, Muscular, and Nervous Systems	<ul style="list-style-type: none"> LS L2 Structure and Function in the Human Body LS L2 Understand Central Ideas and Summarize Concepts LS L7 Evaluate Multiple Sources of Information
L1.2 Respiratory, Circulatory, Digestive, and Excretory Systems	<ul style="list-style-type: none"> LS L1 Energy Intake in the Human Body LS L2 Structure and Function in the Human Body LS L2 Understand Central Ideas and Summarize Concepts LS L7 Evaluate Multiple Sources of Information
L1.3 Endocrine and Reproductive Systems	<ul style="list-style-type: none"> LS L2 Structure and Function in the Human Body
L1.4 Homeostasis	<ul style="list-style-type: none"> LS L6 Make Logical Inferences LS L7 Evaluate Multiple Sources of Information
L1.5 Nutrition	<ul style="list-style-type: none"> LS L1 Energy Intake in the Human Body LS L4 Analyze Quantitative or Technical Information LS L5 Apply Quantitative or Technical Information
L1.6 Disease Prevention	<ul style="list-style-type: none"> LS L3 Examine Cause and Effect LS L4 Human Body and Health LS L4 Analyze Quantitative or Technical Information
Chapter 1 Application of Science Practices	<ul style="list-style-type: none"> LS L4 Analyze Quantitative or Technical Information LS L5 Apply Quantitative or Technical Information LS L8 Disruption of Ecosystems LS L8 Apply Scientific Practices to a Unique Situation
L2.1 Relationships Among Populations	<ul style="list-style-type: none"> LS L6 Social Interactions and Group Behavior LS L7 Evaluate Multiple Sources of Information
L2.2 Food and Energy in the Environment	<ul style="list-style-type: none"> LS L1 Use Context to Define Uncommon Terms LS L2 Understand Central Ideas and Summarize Concepts LS L6 Social Interactions and Group Behavior LS L8 Apply Scientific Practices to a Unique Situation
L2.3 Carrying Capacity	<ul style="list-style-type: none"> LS L6 Social Interactions and Group Behavior
L2.4 Disruptions of Ecosystems	<ul style="list-style-type: none"> LS L5 Factors Affecting Biodiversity LS L8 Disruption of Ecosystems
Chapter 2 Application of Science Practices	<ul style="list-style-type: none"> LS L3 Examine Cause and Effect LS L8 Disruption of Ecosystems LS L8 Apply Scientific Practices to a Unique Situation
L3.1 Cells Basic Unit of Life	<ul style="list-style-type: none"> LS L6 Make Logical Inferences LS L8 Apply Scientific Practices to a Unique Situation
L3.2 Cell Structure and Function	<ul style="list-style-type: none"> LS L1 Use Context to Define Uncommon Terms
L3.3 Plant Structure and Function	<ul style="list-style-type: none"> LS L8 Apply Scientific Practices to a Unique Situation
L3.4 Energy and Cells	<ul style="list-style-type: none"> LS L2 Understand Central Ideas and Summarize Concepts

The following abbreviations represent each of the following CCR Practice Workbooks in the table

KEY: **LS** = Life Science **PS** = Physical Science **ESS** = Earth and Space Science

HSE Achieve Lesson

CCR Practice Workbooks

L3.5 Mitosis and Meiosis	LS L4 Analyze Quantitative or Technical Information
Chapter 3 Application of Science Practices	LS L4 Analyze Quantitative or Technical Information LS L5 Apply Quantitative or Technical Information LS L8 Disruption of Ecosystems LS L8 Apply Scientific Practices to a Unique Situation
L4.1 Basic Principles of Genetics	LS L3 Inheritance and Variability of Traits LS L8 Apply Scientific Practices to a Unique Situation
L4.2 Probability of Traits	LS L3 Inheritance and Variability of Traits LS L5 Apply Quantitative or Technical Information
L4.3 Common Ancestry	LS L6 Make Logical Inferences LS L7 Evolution
L4.4 Changing Heredity	LS L3 Inheritance and Variability of Traits
L4.5 Selection and Adaptation	LS L7 Evolution
Chapter 4 Application of Science Practices	LS L4 Analyze Quantitative or Technical Information LS L7 Evaluate Multiple Sources of Information LS L8 Disruption of Ecosystems LS L8 Apply Scientific Practices to a Unique Situation
L5.1 Motion	PS L3 Understand Quantitative or Technical Information PS L4 Apply Quantitative or Technical Information PS L5 Quantitative Problem Solving PS L7 Evaluate Multiple Sources of Information PS L8 Collisions
L5.2 Forces and Newton’s Laws of Motion	PS L4 Apply Quantitative or Technical Information
L5.3 Work and Simple Machines	PS L8 Apply the Scientific Method to a Unique Situation
Chapter 5 Application of Science Practices	PS L6 Reason to a Conclusion PS L8 Collisions PS L8 Apply the Scientific Method to a Unique Situation
L6.1 Types of Energy and Energy Transformations	PS L4 Electricity and Magnetism PS L6 Energy
L6.2 Sources of Energy	PS L3 Understand Quantitative or Technical Information PS L6 Energy
L6.3 Heat and Heat Transfer	PS L3 Understand Quantitative or Technical Information PS L4 Apply Quantitative or Technical Information PS L6 Energy PS L7 Evaluate Multiple Sources of Information
L6.4 Waves	PS L1 Wave Properties PS L1 Understand Central Ideas and Supporting Details PS L5 Electromagnetic Radiation PS L6 Reason to a Conclusion PS L7 Information Technologies and Instrumentation
Chapter 6 Application of Science Practices	PS L2 Summarize Complex Concepts PS L4 Apply Quantitative or Technical Information PS L5 Quantitative Problem Solving PS L6 Reason to a Conclusion PS L8 Collisions PS L8 Apply the Scientific Method to a Unique Situation

The following abbreviations represent each of the following CCR Practice Workbooks in the table

KEY: **LS** = Life Science **PS** = Physical Science **ESS** = Earth and Space Science

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CCR Practice Workbooks

L7.1 Structure of Matter	PS L3 The Atom PS L3 Understand Quantitative or Technical Information
L7.2 Physical and Chemical Properties of Matter	PS L6 Reason to a Conclusion
L7.3 Chemical Reactions	PS L1 Understand Central Ideas and Supporting Details PS L2 Chemical Reactions PS L8 Apply the Scientific Method to a Unique Situation
L7.4 Solutions	PS L8 Apply the Scientific Method to a Unique Situation
Chapter 7 Application of Science Practices	PS L2 Summarize Complex Concepts PS L5 Quantitative Problem Solving PS L8 Collisions PS L8 Apply the Scientific Method to a Unique Situation
L8.1 The Atmosphere	ESS L4 Weather and Climate ESS L5 Human Impacts on Earth Systems ESS L6 Global Climate Change ESS L7 Evaluate Multiple Sources of Information
L8.2 The Ocean	ESS L3 The Role of Water in Earth Processes ESS L6 Global Climate Change ESS L8 Apply the Scientific Method to a Unique Situation
L8.3 Earth's Interior Structure and Landforms	ESS L1 Effects of Earth's Internal Processes ESS L8 Plate Tectonics ESS L8 Apply the Scientific Method to a Unique Situation
L8.4 Natural Resources	ESS L4 Apply Quantitative or Technical Information ESS L5 Human Impacts on Earth Systems ESS L6 Global Climate Change ESS L7 Evaluate Multiple Sources of Information
L8.5 Interactions Between Earth's Systems	ESS L3 Recognize a Sequence ESS L7 Large-Scale System Interactions ESS L7 Evaluate Multiple Sources of Information
Chapter 8 Application of Science Practices	ESS L2 Summarize Complex Concepts ESS L4 Apply Quantitative or Technical Information ESS L5 Quantitative Problem Solving ESS L6 Global Climate Change ESS L8 Apply the Scientific Method to a Unique Situation
L9.1 Structures in the Universe	ESS L2 Structures and Matter in the Universe ESS L3 Recognize a Sequence ESS L6 Cite Evidence to Support Analysis
L9.2 Structures in the Solar System	ESS L2 Structures and Matter in the Universe ESS L4 Apply Quantitative or Technical Information ESS L5 Quantitative Problem Solving ESS L6 Cite Evidence to Support Analysis
Chapter 9 Application of Science Practices	ESS L2 Summarize Complex Concepts ESS L6 Cite Evidence to Support Analysis ESS L7 Evaluate Multiple Sources of Information ESS L8 Plate Tectonics ESS L8 Apply the Scientific Method to a Unique Situation

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