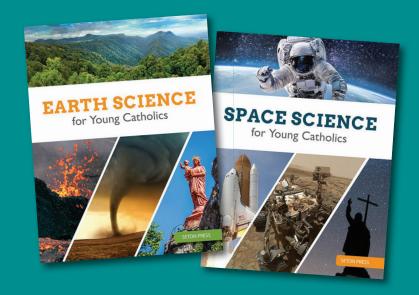


SCIENCE 6 COURSE MANUAL



LESSON PLANS - ANSWER KEYS - TESTS - QUARTER REPORT FORMS

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	iswer keys, pre-tests, tests, and Quarter Report Forms are located at t	:he

Course Materials

- Earth Science for Young Catholics Space Science for Young Catholics



St. Ignatius of Loyola



FIRST QUARTER

Week One

We will begin the course using the Earth Science for Young Catholics textbook. This textbook contains twenty-one chapters that cover planet Earth – its structure, forces, regions, landforms, atmosphere, weather, and resources. You will be using this textbook each day until the end of Week Twenty-Three.

You can check off	
as you complete	WOF
Complete	i+I

CHAPTER 1. HOW TO STUDY THE CREATED WORLD



Take a few moments to look over the textbook, the cover, and table of contents. Notice the glossary in the back of the book. The glossary includes important words from the lessons and their definitions.



Lesson 1.1: Observation. Read and study. This lesson introduces the Scientific Method and explains how observation has been used throughout history.

NOTE: Lessons in this chapter are longer than later ones. Much of the information will be a review of facts you learned in earlier grades.



Complete 1.1 Lesson Review.

Day 2



Lesson 1.2: Measurement. Read and study about the importance of accurate units of measurement.



Memorize the definitions of matter, mass, and weight. Units of U.S. Customary Measurement will be familiar to you.



Complete 1.2 Lesson Review.

Day 3



Lesson 1.3: The Metric/International System of Measurement. Read and study.



You have learned some metric measures in math class. Memorizing basic metric units and prefixes will help you to use this book, and will be of great benefit to you, especially during your remaining years as a student. The International System of Units (SI) will be especially useful if you go into a scientific field, such as medicine, or if you live abroad.

	Complete 1.3 Lesson Review.	
D	ay 4	
EARTH SCIENCE for Young Carbales	Lesson 1.4: Advanced Measurement/ How Does Earth Measure Up? Read and study. You do not need to memorize the various measures of Earth, although it might impress your friends and family to do so.	
	Do memorize what is meant by <i>area</i> and <i>volume</i> , definitions you will continue to use during your years of studying math.	
	Complete 1.4 Lesson Review.	
D	ay 5	
EARTH SCIENCE	Lesson 1.5: Fr. Roger Bacon. Learn about Roger Bacon, a Franciscan friar and leader in scientific study in his own time. He was committed to the Scientific Method. Learn why the United States is one of only three countries to use U.S. Customary Measurement.	
	Complete the Chapter 1 Review , paying special attention to the vocabulary words. (First try to do as much of this chapter review as you can without looking up the answers in the text. Then look in the text as necessary to complete the rest of this review.)	

Week Two

Day 1

CHAPTER 2. A CLOSER LOOK AT EARTH'S LAYERS



Lesson 2.1: How Do We Study the Earth's Inner Layers? Read and study.

	Suggestion to Parent: Search online for "Z-44 Chayvo Well" and show the information to your student. Find graphics that show how deep it is. See if you can learn how scientists are able to discover various aspects of the Earth's interior using seismic waves created by earthquakes.	
	Complete 2.1 Lesson Review. Be sure to pay special attention to vocabulary words.	
Da	y 2	
EARTH SCIENCE by Young Calabia	Lesson 2.2: Earth's Inner Core. Read and study. Today you will learn more about Earth's inner core.	
(1)	Memorize the meaning of pressure.	
	Complete 2.2 Lesson Review.	
Da	y 3	
EARTH SCIENCE for Young Carloin	Lesson 2.3: Earth's Outer Core. Read and study about Earth's outer core. It is the source of Earth's magnetic field. You already know what a magnet is. Make sure you understand the meaning of <i>magnetic field</i> . Experiment with magnets if you have them at home.	
	Complete 2.3 Lesson Review.	
Da	y 4	
EARTH SCIENCE for Young Carbonics	Lesson 2.4: Earth's mantle. Read and study. Learn about Earth's mantle.	
(1)	Memorize the meaning of tectonic plates. You will hear about them frequently this year.	
	Complete 2.4 Lesson Review.	



Day 5

EARTH SCIENCE Le Vana Crimic	Lesson 2.5: The Jesuit Science . Read why seismology is called the Jesuit Science.	
	Complete the Chapter 2 Review. (First try to do as much of this chapter review as you can without looking up the answers in the text. Then look in the text as necessary to complete the rest of this review.) Every word in the word box will be used in future chapters.	
	Complete the two-part Cumulative Review .	

Week Three

Day 1

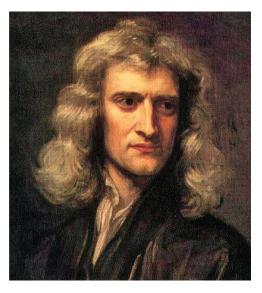
CHAPTER 3. FORCES THAT SHAPE THE EARTH



Lesson 3.1: Isaac Newton and Gravity. Read and study. Isaac Newton will be mentioned again and again this year for his many remarkable discoveries. Scientists today believe he is among the top five smartest people ever to have lived. Try your best to understand his Laws of Motion and Law of Universal Gravitation. They are important, not only to study Earth, but also in our study of outer space.



Complete 3.1 Lesson Review. The answers to questions 1-5 are found in the text. Use information from this lesson to apply what you have learned to situations in questions 6-9.



Isaac Newton