

Science Instructional Guide for Grade 5

1 st Nine Weeks	2 nd Nine Weeks	3 rd Nine Weeks	4 th Nine Weeks
<p>Scott Foresman Introduction to Scientific Thinking #1 pp. xx-xxxii</p> <p>Scott Foresman Unit B Earth Science #2 Chapter 7 <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p><i>Omit Chapter 8</i></p> <p>#3 Chapter 9 <i>Omit Directed Inquiry</i> <i>Omit Lesson 1</i> Lesson 2 Lesson 3 Lesson 4 <i>Omit Lesson 5</i> Lesson 6 Guided Inquiry</p> <p>#4 Chapter 10 <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry <i>Omit Full Inquiry</i></p>	<p>Scott Foresman Unit C Physical Science #5 Chapter 11 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry Math in Science</p> <p>#6 Chapter 12 Directed Inquiry Lesson 1 <i>Omit Lesson 2</i> <i>Omit Lesson 3</i> <i>Omit Lesson 4</i> Guided Inquiry</p> <p>#7 Chapter 13 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p>#8 Chapter 14 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> Lesson 4 <i>Omit Guided Inquiry</i></p> <p>#9 Chapter 15 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> <i>Omit Guided Inquiry</i> Full Inquiry</p>	<p>Scott Foresman Unit D Space and Technology #10 Chapter 16 <i>Omit Directed Inquiry</i> <i>Omit Lesson 1</i> Lesson 2 Lesson 3 Guided Inquiry</p> <p>#11 Chapter 17 <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p><i>Omit Chapter 18</i></p> <p>FCAT Review of Annually Assessed Benchmarks</p>	<p>Scott Foresman Unit A Life Science #12 Chapter 1 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p>#13 Chapter 2 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> <i>Omit Guided Inquiry</i></p> <p>#14 Chapter 3 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Guided Inquiry</p> <p>#15 Chapter 4 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> <i>Omit Lesson 4</i> Guided Inquiry Math in Science</p> <p>#16 Chapter 5 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Lesson 5 Lesson 6 Guided Inquiry Math in Science</p> <p>#17 Chapter 6 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Guided Inquiry <i>Omit Full Inquiry</i></p>

FIFTH GRADE #10			
Space and Technology			
Scott Foresman Chapter 16: Stars and Galaxies			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
S.C.E.1.2.3 knows that the sun is a star and that its energy can be captured or concentrated to generate heat and light for work on Earth. <i>Identifies the ways that solar energy is collected and used on Earth.</i>		CS	MC
S.C.E.2.2.1 knows that, in addition to the sun, there are many other stars that are far away. <i>Identifies the sun as a medium sized star in a galaxy containing billions of stars.</i>		CS	MC
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks			
Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response			
SCOTT FORESMAN SCIENCE			
Scott Foresman Textbook	Lesson 2	What is a star? pp. 518-521	SC.E.1.2.3
	Lesson 3	How are stars grouped together? pp. 524-529	SC.E.2.2.1
	Guided Inquiry	What does a spiral galaxy look like from different angles? pp. 530-531	SC.E.2.2.1
Scott Foresman Leveled Readers	<i>Stars and Galaxies</i> (Below-Level) <i>Exploring the Universe</i> (On-Level) <i>Telescopes</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 2 and 3 in chapter 16); FCAT Science Test Prep pp. 109-114; Assessment Book pp. 103-106 (Note: Omit all questions relating to lesson 1.)		
Vocabulary Bold = FCAT Underscore = Marzano	<u>constellation, galaxy, universe</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	<u>Strand E – The Solar System</u> : Star Gazing		
AIMS www.aimsedu.org			
Literature			
Other	Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 2: Emmy’s Moon and Stars</i> , pp. 177-181		
NOTES			

FIFTH GRADE #11

Space and Technology

Scott Foresman Chapter 17: Earth in Space

BENCHMARKS AND ITEM CLARIFICATION

AA or CS

Test Item Code

The student...

SC.E.1.2.1 knows that the tilt of the Earth on its own axis as it rotates and revolves around the sun causes changes in season, length of day, and energy available.

Identifies and describes how the position of Earth in relation to the Sun impacts Earth and knows the effects of energy available to organisms.

AA

MC, SR

SC.E.1.2.2 knows that the combination of the Earth's movement and the moon's own orbit around the Earth results in the appearance of cyclical phases of the moon.

Identifies factors that change the amount of sunlight reflected from the moon to the Earth.

CS

MC

SC.E.1.2.4 knows that the planets differ in size, characteristics, and composition and that they orbit the sun in our Solar System.

Compares and contrasts properties of the planets in our solar system. (Also assesses E.1.2.5)

CS

MC

SC.E.1.2.5 understands the arrangement of planets in our Solar System. (Assessed as E.1.2.4)

CS

MC

Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks

Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response

SCOTT FORESMAN SCIENCE

**Scott Foresman
Textbook**

Lesson 1

In what ways does Earth move? pp. 543-547

SC.E.1.2.1

Lesson 2

What are the parts of the solar system? pp. 548-551

SC.E.1.2.4

Lesson 3

What are comets and asteroids? pp. 552-555

SC.E.1.2.5

Lesson 4

What is known about the moon? pp. 556-559

SC.E.1.2.5

Guided Inquiry

Why do we see the phases of the moon? pp. 562-563

SC.E.1.2.2

SC.E.1.2.2

**Scott Foresman
Leveled Readers**

Earth in Space (Below-Level)

The Earth and Its Neighbors (On-Level)

Moon Landings (Advanced)

**Scott Foresman
Assessment**

Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 17); FCAT Science Test Prep pp. 115-120; Assessment Book pp. 107-110

Vocabulary

Bold = FCAT

Underscore = Marzano

asteroid, **axis**, comet, **moon**, **moon phase**, **solar system**, rotation, revolution

OTHER RESOURCES

CIA

www.cs.ocps.net

Strand E – The Solar System: Reasons for the Seasons; A Lunar Lap

AIMS

www.aimsedu.org

Out of This World: Lining Up the Planets, Facing Up to the Moon, Lunar Looking; *Vol. 12, No. 2*: Green Sleeves

Literature

Newbridge: *Eye on the Universe*; *Earth in Space*

Other

Science Court: *Seasons*, Tom Snyder Productions

Page Keeley, *Uncovering Student Ideas in Science, Vol. 1*: Going Through a Phase, pp. 183-187

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