

Grade 6

Grade 6

FCAT Pacing Guide

Glencoe Florida Science, Grade 6 FCAT Pacing Guide

This Pacing Guide will lead you through *Glencoe Florida Science, Grade 6*, prioritizing content to focus on the Benchmarks covered in-depth. The chapters to be emphasized for the 8th grade FCAT test are marked with an asterisk (*). These chapters teach Benchmarks that also may be covered in the seventh grade text but are not covered in the seventh grade text.

Total number of 45-minute periods = 178 Total number of 90-minute periods = 93

*Chapter 1 Exploring and Classifying Life

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	Section 2 Section 3	Section 3 Section 4	Section 4 MiniLAB	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 Section 3 Section 4 MiniLAB	1-page Lab Chapter Review	2-page Lab	Chapter Review FCAT Practice

*Chapter 2 The Living Cell

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	1-page Lab	Section 2	Section 2 MiniLAB	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1	1-page Lab Section 2	Section 2 MiniLAB Section 3	2-page Lab	Chapter Review FCAT Practice

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*Chapter 3 The Role of Genes in Inheritance

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2 MiniLAB	Section 2	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 1 1-page Lab	Section 2 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

*Chapter 4 Support, Movement, and Responses

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	Section 2	1-page Lab	Section 3 Section 4	Section 4 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	1-page Lab Section 2	Section 3 Section 4 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

Chapter 5 Digestion, Respiration, and Excretion

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 2 MiniLAB	Section 2	1-page Lab	Section 3 MiniLAB	Section 4	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 Section 2	Section 2 MiniLAB 1-page Lab	Section 3 Section 4 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT practice

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*Chapter 6 Circulation and Immunity

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 1 MiniLAB Section 2	Section 3 MiniLAB	Section 4	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB Section 2	Section 3 Section 4 MiniLAB	Section 4 1-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

Chapter 7 Ecology

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2 MiniLAB	Section 2	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	1-page Lab Section 2	Section 2 Section 3 MiniLAB	2-page Lab	Chapter Review FCAT Practice

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*Chapter 8 Ecosystems

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1 Section 2	Section 2 MiniLAB	1-page Lab	Section 3 MiniLAB	2-page Lab	2-page Lab	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 Section 2 MiniLAB	1-page Lab Section 3	Section 3 MiniLAB 2-page Lab	2-page Lab Chapter Review FCAT Practice

*Chapter 9 Earth's Energy and Mineral Resources

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	Section 2	1-page Lab	Section 3	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB	Section 2 1-page Lab	Section 3 MiniLAB 2-page Lab	2-page Lab Chapter Review FCAT Practice

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*Chapter 10 The Atmosphere in Motion

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 1 MiniLAB Section 2	Section 2 Section 3	Section 3 MiniLAB	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 Section 3 MiniLAB	1-page Lab Chapter Review	2-page Lab	Chapter Review FCAT Practice

*Chapter 11 Weathering and Soil

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 1 MiniLAB	Section 2 MiniLAB	1-page Lab	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB	Section 2 Section 3 MiniLAB	1-page Lab Chapter Review	2-page Lab Chapter Review FCAT Practice

Chapter 12 Water Erosion and Deposition

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1	Section 1 MiniLAB	Section 2 Section 3 MiniLAB	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB Section 2 MiniLAB	Section 3 1-page Lab	2-page Lab Chapter Review	Chapter Review FCAT practice

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Chapter 13 Plate Tectonics

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1 Section 2	Section 1 MiniLAB	1-page Lab	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB Section 2	Section 2 1-page Lab	Section 3 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

Chapter 14 Measurement

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1 MiniLAB	Section 2 MiniLAB	Section 3 MiniLAB	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 Section 2 MiniLAB	MiniLAB Section 3 MiniLAB	1-page Lab Chapter Review	2-page Lab Chapter Review FCAT Practice

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Chapter 15 Understanding Matter

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1	Section 1 MiniLAB	Section 2 MiniLAB	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3
Launch Lab Section 1 MiniLAB Section 2	Section 2 MiniLAB 1-page Lab	2-page Lab Chapter Review FCAT Practice

Chapter 16 Atoms, Elements, and the Periodic Table

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1	Section 1 MiniLAB	Section 2	1-page Lab	Section 3 MiniLAB	2-page lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB Section 2	Section 2 1-page Lab	Section 3 MiniLAB 2-page Lab	2-page Lab Chapter Review FCAT Practice

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*Chapter 17 Motion, Forces, and Simple Machines

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 2 MiniLAB	Section 2 MiniLAB	1-page Lab	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 Section 2	Section 2 MiniLAB MiniLAB	1-page Lab Section 3	Section 3 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

*Chapter 18 Energy

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2	Section 2 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3
Launch Lab Section 1 MiniLAB	1-page Lab Section 2 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

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*Chapter 19 Electricity and Magnetism

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 1 MiniLAB Section 2	Section 2	1-page lab	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3
Launch Lab Section 1 MiniLAB Section 2	Section 2 1-page Lab Section 3 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

*Chapter 20 Waves

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1	Section 1 MiniLAB Section 2	1-page Lab	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3
Launch Lab Section 1 MiniLAB Section 2	1-page Lab Section 3 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

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*Chapter 21 The Moon, Planets, and Stars

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2	Section 2 MiniLAB	Section 3 MiniLAB	Section 3	2-page Lab	2-page Lab	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB	1-page Lab Section 2 MiniLAB	Section 3 MiniLAB 2-page Lab Chapter Review	2-page Lab Chapter Review FCAT Practice

*Chapter 22 Exploring Space

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2	Section 2 MiniLAB	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice	Posttest

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB	Section 2 MiniLAB Section 3 Chapter Review	2-page Lab Chapter Review FCAT Practice	Posttest



Glencoe Florida Science, Grade 6 Correlated to Sunshine State Standards

This correlations guide will help you organize long and short-term planning to make sure that the necessary Florida Benchmarks are covered in your science classroom. The Benchmarks in bold print are the in-depth Benchmarks for the section.

Chapter 1: Exploring and Classifying Life

Section 1: What is science?	pp. 6–13	SC.H.1.3.1 , SC.H.1.3.2, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5 , SC.H.3.3.2
Section 2: Living Things	pp. 14–18	SC.F.1.3.1 , SC.F.1.3.2 , SC.F.1.3.3, SC.F.1.3.5, SC.F.1.3.7, SC.G.1.3.5,
Section 3: Where does life come from?	pp. 19–21	SC.F.2.3.4, SC.H.1.3.1 , SC.H.1.3.2, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.5
Section 4: How are living things classified?	pp. 22–35	SC.G.1.3.3 , SC.H.1.3.1 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.2, SC.H.3.3.5

Chapter 2: The Living Cell

Section 1: The World of Cells	pp. 38–44	SC.F.1.3.2 , SC.F.1.3.5 , SC.F.1.3.6 , SC.G.1.3.1, SC.H.1.3.4
Section 2: The Different Jobs of Cells	pp. 45–49	SC.F.1.3.4 , SC.F.1.3.5 , SC.F.1.3.6 , SC.H.1.3.6, SC.H.2.3.1
Section 3: Bacteria, Protists, and Fungi	pp. 50–65	SC.A.2.3.3, SC.D.1.3.4, SC.F.1.3.2 , SC.G.1.3.3, SC.G.2.3.2, SC.H.1.3.4

Chapter 3: The Role of Genes in Inheritance

Section 1: Continuing Life	pp. 68–75	SC.F.1.3.3 , SC.F.2.3.1 , SC.F.2.3.2, SC.F.2.3.3, SC.G.1.3.2, SC.H.1.3.1, SC.H.1.3.4, SC.H.1.3.5, SC.H.2.3.1
Section 2: Genetics—The Study of Inheritance	pp. 77–91	SC.F.2.3.2 , SC.H.1.3.3, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.1

Chapter 4: Support, Movement, and Responses

Section 1: The Skin	pp. 96–99	SC.F.1.3.1 , SC.F.1.3.2 , SC.F.1.3.3, SC.F.1.3.4 , SC.F.1.3.6 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.3.3.1
Section 2: The Muscular System	pp. 101–103	SC.F.1.3.1 , SC.F.1.3.2 , SC.F.1.3.4 , SC.F.1.3.6 , SC.H.2.3.1
Section 3: The Skeletal System	pp. 104–109	SC.F.1.3.1 , SC.F.1.3.2, SC.F.1.3.3 , SC.F.1.3.4 , SC.F.1.3.6
Section 4: The Nervous System	pp. 110–125	SC.F.1.3.1 , SC.F.1.3.2, SC.F.1.3.3 , SC.F.1.3.4 , SC.F.1.3.5 , SC.F.1.3.6 , SC.F.1.3.7 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6



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Chapter 5: Digestion, Respiration, and Excretion

Section 1: The Digestive System	pp. 128–132	SC.F.1.3.1 , SC.H.2.3.1
Section 2: Nutrition	pp. 133–139	SC.F.1.3.5 , SC.H.1.3.5, SC.H.2.3.1
Section 3: The Respiratory System	pp. 140–146	SC.F.1.3.1 , SC.F.1.3.4, SC.F.1.3.5, SC.G.1.3.1, SC.H.1.3.4, SC.H.2.3.1
Section 4: The Excretory System	pp. 147–159	SC.F.1.3.1 , SC.F.1.3.4, SC.G.1.3.4, SC.G.2.3.2, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5

Chapter 6: Circulation and Immunity

Section 1: Blood	pp. 162–166	SC.F.1.3.1 , SC.F.1.3.2, SC.F.1.3.3 , SC.F.1.3.4, SC.F.1.3.5, SC.F.1.3.6 , SC.H.1.3.1, SC.H.2.3.1, SC.H.3.3.6
Section 2: Circulation	pp. 167–172	SC.F.1.3.1, SC.F.1.3.4, SC.H.2.3.1
Section 3: Immunity	pp. 173–176	SC.F.1.3.1 , SC.F.1.3.2, SC.F.1.3.5, SC.F.1.3.6 , SC.H.1.3.6, SC.H.2.3.1
Section 4: Diseases	pp. 177–193	SC.F.1.3.1, SC.F.1.3.6, SC.G.1.3.1 , SC.G.1.3.2, SC.G.1.3.6, SC.H.1.3.1, SC.H.1.3.2, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.5

Chapter 7: Ecology

Section 1: What is an ecosystem?	pp. 198–206	SC.D.1.3.4, SC.D.2.3.1 , SC.F.2.3.3, SC.G.1.3.4 , SC.G.2.3.2 , SC.G.2.3.3, SC.H.1.3.5 , SC.H.1.3.7, SC.H.2.3.1
Section 2: Relationships Among Living Things	pp. 207–211	SC.D.1.3.2, SC.G.2.3.2, SC.G.2.3.3, SC.H.2.3.1
Section 3: Energy Through the Ecosystem	pp. 212–223	SC.B.1.3.4, SC.B.2.3.1, SC.D.1.3.4, SC.G.1.3.3 , SC.G.1.3.4 , SC.G.1.3.5 , SC.G.2.3.1, SC.G.2.3.2, SC.G.2.3.3, SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1



Chapter 8: Ecosystem

Section 1: How Ecosystems Change	pp. 226–229	SC.D.1.3.4 , SC.G.1.3.2, SC.H.2.3.1
Section 2: Biomes	pp. 230–238	SC.D.2.3.2 , SC.G.2.3.2, SC.G.2.3.4, SC.H.1.3.1, SC.H.1.3.4, SC.H.1.3.7, SC.H.2.3.1
Section 3: Aquatic Ecosystems	pp. 239–253	SC.D.2.3.1 , SC.D.2.3.2 , SC.G.1.3.2, SC.G.2.3.2, SC.G.2.3.3 , SC.G.2.3.4 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.4

Chapter 9: Earth's Energy and Mineral Resources

Section 1: Nonrenewable Energy Resources	pp. 256–265	SC.A.2.3.3 , SC.B.1.3.1, SC.B.2.3.2, SC.D.2.3.1, SC.D.2.3.2 , SC.G.2.3.1, SC.G.2.3.4, SC.H.3.3.4
Section 2: Renewable Energy Resources	pp. 266–272	SC.A.2.3.3 , SC.B.1.3.1, SC.D.2.3.1, SC.D.2.3.2 , SC.G.2.3.1, SC.G.2.3.4 , SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.4
Section 3: Mineral Resources	pp. 273–285	SC.A.2.3.3, SC.B.1.3.1, SC.D.2.3.1, SC.D.2.3.2 , SC.G.2.3.1, SC.G.2.3.4 , SC.H.1.3.6, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6

Chapter 10: The Atmosphere in Motion

Section 1: The Atmosphere	pp. 290–295	SC.A.1.3.5, SC.A.1.3.6, SC.B.1.3.3, SC.B.2.3.1, SC.D.1.3.3 , SC.D.1.3.5 , SC.H.1.3.5, SC.H.2.3.1, SC.H.3.3.5
Section 2: Earth's Weather	pp. 296–303	SC.A.1.3.3, SC.B.1.3.5 , SC.B.2.3.1, SC.D.1.3.3 , SC.D.1.3.5 , SC.H.2.3.1
Section 3: Air Masses and Fronts	pp. 304–321	SC.B.1.3.3, SC.B.1.3.5, SC.B.2.3.1, SC.D.1.3.3 , SC.D.1.3.5 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.4

Chapter 11: Weathering and Soil

Section 1: Weathering	pp. 324–329	SC.D.1.3.1 , SC.D.1.3.4 , SC.D.1.3.5, SC.H.1.3.5
Section 2: The Nature of Soil	pp. 330–337	SC.D.1.3.4 , SC.D.1.3.5
Section 3: Soil Erosion	pp. 338–349	SC.A.1.3.1, SC.D.1.3.1 , SC.D.1.3.4 , SC.D.1.3.5, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7



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Chapter 12: Water Erosion and Deposition

Section 1: Surface water	pp. 352–362	SC.D.1.3.1 , SC.D.1.3.3, SC.D.1.3.4, SC.D.1.3.5 , SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1
Section 2: Groundwater	pp. 363–368	SC.D.1.3.1 , SC.D.1.3.3, SC.D.1.3.5 , SC.H.1.3.5
Section 3: Ocean Shoreline	pp. 369–381	SC.A.1.3.5, SC.D.1.3.1 , SC.D.1.3.3, SC.D.1.3.4, SC.D.1.3.5 , SC.H.1.3.4, SC.H.1.3.5

Chapter 13: Plate Tectonics

Section 1: Continental Drift	pp. 384–387	SC.D.1.3.2, SC.D.1.3.3 , SC.D.1.3.5, SC.H.1.3.1 , SC.H.1.3.2, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5
Section 2: Seafloor Spreading	pp. 388–391	SC.D.1.3.3 , SC.D.1.3.5, SC.H.1.3.2 , SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5
Section 3: Theory of Plate Tectonics	pp. 392–409	SC.D.1.3.3 , SC.D.1.3.5, SC.H.1.3.1, SC.H.1.3.2, SC.H.1.3.6, SC.H.2.3.1

Chapter 14: Measurement

Section 1: Description and Measurement	pp. 414–420	SC.A.1.3.1 , SC.A.1.3.2 , SC.A.1.3.3, SC.H.1.3.4, SC.H.1.3.7
Section 2: Mathematics and Measurement	pp. 421–426	SC.H.1.3.4
Section 3: Tables and Graphs	pp. 427–441	SC.A.1.3.1 , SC.H.1.3.4, SC.H.1.3.5

Chapter 15: Understanding Matter

Section 1: Physical Properties and Changes	pp. 444–453	SC.A.1.3.1 , SC.A.1.3.4, SC.A.1.3.5 , SC.A.1.3.6 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1
Section 2: Chemical Properties and Changes	pp. 454–469	SC.A.1.3.1 , SC.A.1.3.5 , SC.A.1.3.6, SC.H.1.3.1, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.4, SC.H.3.3.5



Chapter 16: Atoms, Elements, and the Periodic Table

Section 1: Structure of Matter	pp. 472–479	SC.A.2.3.2 , SC.D.1.3.5, SC.H.1.3.1, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.4, SC.H.3.3.5
Section 2: The Simplest Matter	pp. 480–486	SC.A.1.3.1, SC.A.2.3.2 , SC.H.1.3.1, SC.H.2.3.1 , SC.H.3.3.5
Section 3: Compounds and Mixtures	pp. 487–499	SC.A.1.3.1 , SC.A.2.3.2, SC.H.1.3.2, SC.H.1.3.5, SC.H.2.3.1, SC.H.3.3.5

Chapter 17: Motion, Forces, and Simple Machines

Section 1: Describing Motion	pp. 504–510	SC.C.1.3.1 , SC.H.1.3.5
Section 2: Forces and Motion	pp. 511–518	SC.A.1.3.2 , SC.C.2.3.1, SC.C.2.3.2 , SC.C.2.3.3 , SC.C.2.3.5, SC.C.2.3.6, SC.C.2.3.7, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7
Section 3: Simple Machines	pp. 519–531	SC.A.1.3.2, SC.C.2.3.2, SC.C.2.3.3, SC.C.2.3.4 , SC.C.2.3.5, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.3.3.4

Chapter 18: Energy

Section 1: Energy Changes	pp. 534–543	SC.A.2.3.3 , SC.B.1.3.1 , SC.B.1.3.2 , SC.B.1.3.4 , SC.B.2.3.1 , SC.H.1.3.4, SC.H.1.3.7
Section 2: Thermal Energy	pp. 544–559	SC.A.1.3.3 , SC.A.2.3.3, SC.B.1.3.1, SC.B.1.3.2, SC.B.1.3.4, SC.B.1.3.5 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7

Chapter 19: Electricity and Magnetism

Section 1: Electric Charge and Forces	pp. 562–568	SC.A.2.3.2, SC.C.2.3.1 , SC.D.1.3.5, SC.H.1.3.5, SC.H.1.3.6
Section 2: Electric Current	pp. 569–577	SC.A.2.3.2, SC.B.1.3.1 , SC.B.1.3.4, SC.C.2.3.1, SC.H.1.3.4, SC.H.1.3.5
Section 3: Magnetism	pp. 578–591	SC.A.2.3.2, SC.B.1.3.1, SC.C.2.3.1 , SC.H.1.3.2, SC.H.1.3.4, SC.H.1.3.5, SC.H.3.3.5



Guide to FCAT Success

Chapter 20: Waves

Section 1: What are waves?	pp. 594–598	SC.A.2.3.1 , SC.B.1.3.3, SC.B.1.3.6, SC.C.1.3.2 , SC.H.1.3.5, SC.H.2.3.1
Section 2: Wave Properties	pp. 599–604	SC.B.1.3.6 , SC.H.1.3.5, SC.H.2.3.1
Section 3: Wave Behavior	pp. 605–619	SC.A.2.3.1 , SC.B.1.3.6, SC.C.1.3.2, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.5

Chapter 21: The Moon, Planets, and Stars

Section 1: Earth's Place in Space	pp. 624–631	SC.D.1.3.5, SC.E.1.3.1, SC.H.1.3.1, SC.H.1.3.4 , SC.H.1.3.6, SC.H.1.3.7 , SC.H.2.3.1, SC.H.3.3.5
Section 2: Earth and the Solar System	pp. 632–639	SC.D.1.3.5 , SC.E.1.3.1 , SC.E.1.3.2
Section 3: Stars and Galaxies	pp. 640–655	SC.D.1.3.5 , SC.E.1.3.1, SC.E.1.3.3 , SC.E.1.3.4, SC.E.2.3.1, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.4, SC.H.3.3.5

Chapter 22: Exploring Space

Section 1: Radiation from Space	pp. 658–664	SC.A.2.3.3 , SC.D.1.3.5, SC.H.1.3.1, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.3.3.5, SC.H.3.3.4, SC.H.3.3.6
Section 2: Early Space Missions	pp. 665–672	SC.C.2.3.5, SC.D.1.3.5, SC.E.1.3.1, SC.E.1.3.2 , SC.H.1.3.3, SC.H.1.3.6, SC.H.3.3.5, SC.H.3.3.6
Section 3: Current and Future Space Missions	pp. 673–687	SC.B.1.3.1, SC.E.1.3.1, SC.E.1.3.2, SC.H.1.3.3 , SC.H.1.3.4, SC.H.1.3.6, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6 , SC.H.3.3.7

Grade 7

Grade 7

FCAT Pacing Guide

Glencoe Florida Science, Grade 7 FCAT Pacing Guide

This Pacing Guide will lead you through *Glencoe Florida Science, Grade 7*, prioritizing content to focus on the Benchmarks covered in-depth. The chapters to be emphasized for the 8th grade FCAT test are marked with an asterisk (*). These chapters teach Benchmarks that also may be covered in the sixth grade text but are not covered in the eighth grade text.

Total number of 45-minute periods = 177 Total number of 90-minute periods = 91

*Chapter 1 Properties and Changes of Matter

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	MiniLAB Section 1 MiniLAB	1-page Lab	Section 2 MiniLAB	Section 2 Chapter Review	2-page Lab	2-page Lab	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB	Section 1 1-page Lab	Section 2 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

Chapter 2 Inside the Atom

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1	Section 1 MiniLAB	Section 2 MiniLAB	Section 2	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 MiniLAB	Section 2 1-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

FCAT Pacing Guide

Chapter 3 The Nature of Science and Technology

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2	Section 2 MiniLAB	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB	1-page Lab Section 2 MiniLAB	Section 3 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

*Chapter 4 Forces and Changes in Motion

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	Section 2	Section 2 MiniLAB	1-page Lab	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 MiniLAB	1-page Lab Section 3	2-page Lab Chapter Review	Chapter Review FCAT Practice

FCAT Pacing Guide

*Chapter 5 Work and Simple Machines

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1 MiniLAB	1-page Lab	Section 2	Section 3	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 1-page Lab	Section 3 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

*Chapter 6 Energy and Energy Resources

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	Section 2	1-page Lab	Section 3	Section 3 MiniLAB	2-page Lab	2-page lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 1-page Lab	Section 3 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

FCAT Pacing Guide

*Chapter 7 Waves, Sound, and Light

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Launch Lab Section 1	Section 1	1-page Lab	Section 2	Section 2 MiniLAB	Section 3 MiniLAB	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 Section 2	Section 2 1-page Lab	Section 2 MiniLAB Section 3 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

Chapter 8 Rocks and Minerals

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	Section 2	Section 2 MiniLAB	Section 3	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 MiniLAB Section 3	1-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

FCAT Pacing Guide

*Chapter 9 Clues to Earth's Past

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Launch Lab Section 1	Section 1 MiniLAB	Section 2	Section 3	1-page Lab	Section 4 MiniLAB	Section 4	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	Section 2 Section 3	1-page lab Section 4	Section 4 MiniLAB Chapter Review	2-page Lab Chapter Review FCAT Practice

Chapter 10 Earth's Place in Space

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Launch Lab Section 1	Section 1	Section 2 MiniLAB	Section 2	1-page Lab	Section 3	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 Section 2	Section 2 MiniLAB 1-page Lab	Section 3 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

FCAT Pacing Guide

*Chapter 11 Cells

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2	Section 2 MiniLAB	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	1-page Lab Section 2	Section 2 MiniLAB	2-page Lab	Chapter Review FCAT Practice

*Chapter 12 Classifying Plants

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 Section 2	Section 2 MiniLAB	Section 3 MiniLAB	Section 3	1-page Lab	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 Section 2	Section 2 MiniLAB	Section 3 MiniLAB 1-page Lab Chapter Review	2-page Lab Chapter Review FCAT Practice

FCAT Pacing Guide

Chapter 13 Plant Processes

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2 MiniLAB	Section 2	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	1-page Lab	Section 2 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

*Chapter 14 Classifying Animals

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Launch Lab Section 1	Section 2 MiniLAB	Section 2 MiniLAB	Section 2	Section 3	Section 3	Section 3 MiniLAB

Day 8	Day 9	Day 10	Day 11
1-page Lab	2-page Lab	2-page lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Launch Lab Section 1	Section 2 MiniLAB	Section 2 MiniLAB Section 3	Section 3 MiniLAB Chapter Review	2-page Lab	Chapter Review FCAT Practice

FCAT Pacing Guide

*Chapter 15 Animal Behavior

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 2 MiniLAB	Section 2	Section 2 MiniLAB	1-page Lab	2-page Lab	2-page Lab	Chapter Review	FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1	Section 2 MiniLAB MiniLAB	2-page Lab	Chapter Review FCAT Practice

Chapter 16 The Nonliving Environment

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	1-page Lab	Section 2	Section 2 MiniLAB	Section 3	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5
Launch Lab Section 1 MiniLAB	1-page Lab Section 2	Section 2 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

FCAT Pacing Guide

Chapter 17 Conserving Life

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 MiniLAB	Section 1 MiniLAB	1-page Lab	Section 2	Section 2	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 MiniLAB MiniLAB	1-page Lab Section 2	2-page Lab Chapter Review	Chapter Review FCAT Practice

Chapter 18 Our Impact on Land

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Launch Lab Section 1	Section 1 Section 2	Section 2 MiniLAB	1-page Lab	Section 3	Section 3 MiniLAB	2-page Lab	2-page Lab Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch Lab Section 1 Section 2 MiniLAB	1-page Lab Section 3 MiniLAB	2-page Lab Chapter Review	Chapter Review FCAT Practice

FCAT Pacing Guide

Chapter 19 Our Impact on Water and Air

45-minute period

Day 1 Launch Lab Section 1	Day 2 Section 1	Day 3 Section 1	Day 4 1-page Lab	Day 5 Section 2 MiniLAB	Day 6 Section 2 MiniLAB	Day 7 Section 2 MiniLAB	Day 8 Section 2	Day 9 2-page Lab
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Day 10 2-page Lab	Day 11 Chapter Review	Day 12 FCAT Practice	Day 13 Post-Test
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90-minute period

Day 1 Launch Lab Section 1	Day 2 1-page Lab Section 2 MiniLAB	Day 3 Section 2 MiniLAB	Day 4 2-page Lab Chapter Review	Day 5 Chapter Review FCAT Practice	Day 6 Post-test
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Guide to FCAT Success

Glencoe Florida Science, Grade 7 Correlated to Sunshine State Standards

This correlations guide will help you organize long and short-term planning to make sure that the necessary Florida Benchmarks are covered in your science classroom. The Benchmarks in bold print are the in-depth Benchmarks for the section.

Chapter 1: The Nature of Science and Technology

Section 1: What is science?	pp. 6–12	SC.H.1.3.1, SC.H.1.3.2, SC.H.1.3.4 , SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.5, SC.H.3.3.7
Section 2: Doing Science	pp. 13–23	SC.H.1.3.1, SC.H.1.3.2 , SC.H.1.3.3, SC.H.1.3.4 , SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7 , SC.H.3.3.5, SC.H.3.3.7
Section 3: Science, Technology, and Engineering	pp. 24–37	SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6 , SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.1, SC.H.3.3.4 , SC.H.3.3.5, SC.H.3.3.6 , SC.H.3.3.7

Chapter 2: Properties and Changes of Matter

Section 1: Physical and Chemical Properties	pp. 40–45	SC.A.1.3.1 , SC.A.1.3.2, SC.A.1.3.4, SC.A.1.3.5 , SC.A.1.3.6, SC.H.1.3.4, SC.H.1.3.7, SC.H.2.3.1
Section 2: Physical and Chemical Changes	pp. 46–63	SC.A.1.3.1, SC.A.1.3.5 , SC.H.1.3.1, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.3.3.5

Chapter 3: Inside the Atom

Section 1: Models of the Atom	pp. 66–75	SC.A.2.3.2, SC.H.1.3.1 , SC.H.1.3.2, SC.H.1.3.3, SC.H.1.3.6, SC.H.1.3.7, SC.H.3.3.5
Section 2: The Nucleus	pp. 76–93	SC.A.2.3.2, SC.H.1.3.1, SC.H.1.3.2 , SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.1, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6, SC.H.3.3.7



Chapter 4: Forces and Changes in Motion

Section 1: Motion	pp. 98–102	SC.C1.3.1 , SC.C2.3.1, SC.C.2.3.2, SC.H.1.3.5
Section 2: Forces and Motion	pp. 103–109	SC.A.1.3.2, SC.C.2.3.1 , SC.C.2.3.2 , SC.C.2.3.3 , SC.C.2.3.6, SC.C.2.3.7 , SC.H.1.3.5
Section 3: The Laws of Motion	pp. 110–123	SC.A.1.3.2, SC.C.1.3.1, SC.C.2.3.3, SC.C.2.3.5 , SC.C.2.3.6 , SC.H.1.3.5

Chapter 5: Work and Simple Machines

Section 1: Work and Power	pp. 126–131	SC.C.2.3.4 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.5
Section 2: Using Machines	pp. 132–137	SC.B.1.3.4, SC.C.2.3.4
Section 3: Simple Machines	pp. 138–151	SC.C.2.3.4 , SC.H.1.3.5, 2.3.1

Chapter 6: Energy and Energy Resources

Section 1: What is energy?	pp. 154–158	SC.A.1.3.3 , SC.A.2.3.3 , SC.B.1.3.1, SC.B.1.3.2, SC.B.2.3.1, SC.H.1.3.5
Section 2: Energy Transformations	pp. 159–166	SC.A.2.3.3 , SC.B.1.3.1 , SC.B.1.3.2, SC.B.1.3.4, SC.B.1.3.5 , SC.B.2.3.1, SC.H.1.3.4, SC.H.1.3.5
Section 3: Sources of Energy	pp. 167–183	SC.A.2.3.2, SC.A.2.3.3 , SC.B.1.3.1, SC.B.1.3.2, SC.B.1.3.4, SC.B.1.3.5, SC.B.2.3.1, SC.B.2.3.2 , SC.D.2.3.2 , SC.G.2.3.1, SC.H.1.3.4, SC.H.1.3.7, SC.H.3.3.4, SC.H.3.3.7

Chapter 7: Waves, Sound, and Light

Section 1: Waves	pp. 186–193	SC.A.2.3.1 , SC.B.1.3.6 , SC.C.1.3.2 , SC.H.1.3.4, SC.H.1.3.5, SC.H.2.3.1
Section 2: Sound Waves	pp. 194–198	SC.B.1.3.6 , SC.C.1.3.2 , SC.H.1.3.5, SC.H.3.3.6, SC.H.3.3.7
Section 3: Light	pp. 199–213	SC.A.2.3.1, SC.A.2.3.3 , SC.B.1.3.1, SC.B.1.3.3 , SC.B.1.3.6 , SC.C.1.3.2, SC.H.1.3.2, SC.H.1.3.3, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.5, SC.H.3.3.6



Guide to FCAT Success

Chapter 8: Rocks and Minerals

Section 1: Minerals—Earth’s Jewels	pp. 218–226	SC.D.1.3.1, SC.D.1.3.3, SC.D.2.3.2, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5, SC.H.3.3.6
Section 2: Igneous and Sedimentary Rocks	pp. 227–233	SC.D.1.3.1, SC.D.1.3.2, SC.D.1.3.3, SC.D.1.3.5, SC.H.3.3.6
Section 3: Metamorphic Rocks and the Rock Cycle	pp. 234–247	SC.A.1.3.1, SC.D.1.3.1, SC.D.1.3.3, SC.D.1.3.5, SC.H.1.3.4, SC.H.2.3.1

Chapter 9: Clues to Earth’s Past

Section 1: Fossils	pp. 252–257	SC.B.2.3.2, SC.D.1.3.1, SC.D.1.3.2, SC.D.1.3.3, SC.D.1.3.5
Section 2: Life and Geologic Time	pp. 258–261	SC.D.1.3.1, SC.D.1.3.2, SC.D.1.3.3, SC.D.1.3.5
Section 3: Relative Ages of Rocks	pp. 262–268	SC.D.1.3.1, SC.D.1.3.3, SC.D.1.3.5, SC.H.1.3.4, SC.H.1.3.7, SC.H.2.3.1
Section 4: Absolute Ages of Rocks	pp. 269–281	SC.A.1.3.5, SC.A.2.3.2, SC.D.1.3.1, SC.D.1.3.2, SC.D.1.3.3, SC.D.1.3.5, SC.F.2.3.4, SC.H.1.3.1, SC.H.1.3.2, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.5

Chapter 10: Earth’s Place in Space

Section 1: Earth’s Motion and Seasons	pp. 285–289	SC.C.2.3.7, SC.E.1.3.1, SC.H.2.3.1
Section 2: Earth’s Moon	pp. 290–299	SC.E.1.3.1, SC.H.1.3.1, SC.H.1.3.4, SC.H.2.3.1
Section 3: Earth and the Solar System	pp. 300–315	SC.D.1.3.5, SC.E.1.3.1, SC.E.1.3.2, SC.E.1.3.3, SC.E.1.3.4, SC.E.2.3.1, SC.H.1.3.1, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5



Chapter 11: Cells

Section 1: Cell Structure	pp. 320–328	SC.F.1.3.2, SC.F.1.3.4, SC.F.1.3.5, SC.F.1.3.6, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1
Section 2: Viewing Cells	pp. 329–333	SC.F.1.3.2, SC.H.1.3.1, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.5
Section 3: Viruses	pp. 334–345	SC.F.1.3.2, SC.F.1.3.4, SC.F.1.3.5, SC.F.1.3.6, SC.G.1.3.1, SC.H.1.3.1, SC.H.1.3.2, SC.H.1.3.3, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5

Chapter 12: Classifying Plants

Section 1: An Overview of Plants	pp. 348–353	SC.F.1.3.2, SC.F.2.3.4, SC.G.1.3.2, SC.G.1.3.3, SC.H.1.3.4, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5
Section 2: Seedless Plants	pp. 354–359	SC.D.1.3.4, SC.F.1.3.1, SC.F.2.3.4, SC.H.1.3.5
Section 3: Seed Plants	pp. 360–377	SC.F.1.3.1, SC.F.1.3.2, SC.F.1.3.3, SC.F.1.3.4, SC.F.1.3.5, SC.F.1.3.6, SC.F.2.3.3, SC.F.2.3.4, SC.G.1.3.2, SC.G.1.3.3, SC.G.1.3.4, SC.H.1.3.2, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6

Chapter 13: Plant Processes

Section 1: Photosynthesis and Cellular Respiration	pp. 380–380	SC.B.1.3.2, SC.B.1.3.3, SC.F.1.3.5, SC.F.1.3.6, SC.G.1.3.5, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1
Section 2: Plant Responses	pp. 381–403	SC.B.1.3.1, SC.B.1.3.2, SC.B.1.3.3, SC.F.1.3.5, SC.F.1.3.6, SC.F.1.3.7, SC.F.2.3.4, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1



Guide to FCAT Success

Chapter 14: Classifying Animals

Section 1: What is an animal?	pp. 406–408	SC.F.1.3.4, SC.F.2.3.3, SC.G.1.3.2, SC.G.1.3.3, SC.H.2.3.1
Section 2: Invertebrate Animals	pp. 409–416	SC.D.1.3.4, SC.F.1.3.1, SC.F.1.3.4, SC.F.2.3.1, SC.F.2.3.2, SC.F.2.3.3, SC.G.1.3.2, SC.H.2.3.1
Section 3: Vertebrate Animals	pp. 417–437	SC.A.1.3.5, SC.C.2.3.2, SC.D.1.3.4, SC.F.1.3.1 , SC.F.1.3.4, SC.F.2.3.1, SC.F.2.3.3, SC.G.1.3.2, SC.G.1.3.3, SC.G.1.3.4, SC.H.1.3.1, SC.H.1.3.2, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.2

Chapter 15: Animal Behavior

Section 1: Types of Behavior	pp. 440–445	SC.F.1.3.7 , SC.F.2.3.3 , SC.G.1.3.2, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1 , SC.H.3.3.3, SC.H.3.3.5
Section 2: Behavioral Interactions	pp. 446–463	SC.F.1.3.7 , SC.F.2.3.3 , SC.G.1.3.2, SC.H.1.3.2, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1 , SC.H.3.3.2, SC.H.3.3.3, SC.H.3.3.5, SC.H.3.3.6

Chapter 16: The Nonliving Environment

Section 1: Abiotic Factors	pp. 468–475	SC.B.1.3.1, SC.D.1.3.4, SC.G.1.3.4 , SC.G.1.3.5, SC.G.2.3.2, SC.H.1.3.4, SC.H.1.3.5, SC.H.2.3.1
Section 2: Cycles of Nature	pp. 476–481	SC.D.1.3.3, SC.D.1.3.4, SC.G.1.3.4 , SC.G.1.3.5, SC.G.2.3.3, SC.G.2.3.4, SC.H.2.3.1
Section 3: Energy Flow	pp. 482–493	SC.B.1.3.1, SC.B.1.3.4 , SC.D.1.3.3, SC.D.1.3.4, SC.G.1.3.4 , SC.G.1.3.5 , SC.G.2.3.1, SC.G.2.3.2, SC.G.2.3.3, SC.H.1.3.1, SC.H.1.3.2, SC.H.1.3.4, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1 , SC.H.3.3.5



Chapter 17: Conserving Life

Section 1: Biodiversity	pp. 496–507	SC.D.2.3.1, SC.D.2.3.2, SC.D.2.3.4, SC.G.2.3.2, SC.G.2.3.3, SC.G.2.3.4, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7
Section 2: Conservation Biology	pp. 508–521	SC.D.2.3.1, SC.D.2.3.2, SC.G.2.3.2, SC.G.2.3.3, SC.G.2.3.4, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.6, SC.H.1.3.7, SC.H.3.3.6

Chapter 18: Our Impact on Land

Section 1: Population Impact on the Environment	pp. 524–527	SC.D.2.3.1, SC.D.2.3.2, SC.G.2.3.4, SC.H.1.3.3, SC.H.1.3.6
Section 2: Using Land	pp. 528–535	SC.D.1.3.4, SC.D.2.3.1, SC.D.2.3.2, SC.G.2.3.4, SC.H.1.3.4, SC.H.3.3.1, SC.H.3.3.4
Section 3: Conserving Resources	pp. 536–547	SC.D.1.3.4, SC.D.2.3.1, SC.D.2.3.2, SC.G.2.3.4, SC.H.1.3.1, SC.H.1.3.4, SC.H.1.3.6, SC.H.3.3.1, SC.H.3.3.4

Chapter 19: Our Impact on Air and Water

Section 1: Water Pollution	pp. 550–558	SC.D.2.3.1, SC.D.2.3.2, SC.G.2.3.2, SC.G.2.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.1, SC.H.3.3.4
Section 2: Air Pollution	pp. 559–573	SC.D.1.3.3, SC.D.2.3.1, SC.D.2.3.2, SC.G.2.3.2, SC.G.2.3.4, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.3.3.1, SC.H.3.3.4

Grade 8

Grade 8

FCAT Pacing Guide

Glencoe Florida Science, Grade 8 FCAT Pacing Guide

This Pacing Guide will lead you through *Glencoe Florida Science, Grade 8*, prioritizing content to focus on the Benchmarks covered in-depth.

Chapter 1 The Nature of Science and Technology

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Pre-test	Launch LAB Section 1	Sections 1 MiniLAB Section 2	Section 2 MiniLAB Section 3	Section 3 MiniLAB	Section 4	Section 4 1-page LAB	Section 4 2-page LAB	Chapter Review FCAT Practice Chapter Review

90-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Pre-test Launch LAB Section 1 MiniLAB	Section 2 Section 3 MiniLAB	Section 3 Section 4 MiniLAB	Section 4 1-page LAB	Section 4 2-page LAB	2-page LAB FCAT Practice

Chapter 3 Weathering and Erosion

45-minute period

Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17
Launch LAB Section 1	Section 1 MiniLAB	Section 1 MiniLAB	Section 1 1-page LAB	Section 2	Section 2 2-page LAB	Section 2 2-page LAB Chapter Review	Chapter Review FCAT practice

90-minute period

Day 7	Day 8	Day 9	Day 10
Launch LAB Section 1 MiniLAB	Section 1 MiniLAB Section 2	Section 1 1-page LAB Section 2	2-page LAB Chapter Review FCAT Practice

FCAT Pacing Guide

Chapter 6 States of Matter

45-minute period

Day 18 Launch LAB Section 1	Day 19 Section 2 MiniLAB	Day 20 Section 2 1-page LAB	Day 21 Section 3 MiniLAB	Day 22 Section 3	Day 23 Section 3 2-page LAB	Day 24 Section 3 2-page LAB	Day 25 Chapter Review	Day 26 FCAT Practice
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90-minute period

Day 11 Launch LAB Section 1 Section 2	Day 12 Section 2 MiniLAB 1-page LAB	Day 13 Section 3 MiniLAB	Day 14 Section 3 2-page LAB	Day 15 Chapter Review FCAT Practice
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Chapter 8 Forces and Newton's Laws

45-minute period

Day 27 Review IC Grade 8 Chapter 7 Section 2	Day 28 Launch LAB Section 1	Day 29 Section 1 MiniLAB	Day 30 Section 2	Day 31 Section 2 Section 3	Day 32 Section 3 MiniLAB	Day 33 Section 3 1-page LAB
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Day 34 Section 3 2-page LAB	Day 35 Section 3 2-page LAB	Day 36 Chapter Review FCAT Practice
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90-minute period

Day 16 Review IC Grade 8 Chapter 7 Section 2	Day 17 Section 1 Section 2 MiniLAB	Day 18 Section 2 Section 3 MiniLAB	Day 19 Section 3 1-page LAB	Day 20 Section 3 2-page LAB	Day 21 Chapter Review FCAT Practice
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IC-Interactive Chalkboard

Reviewing Section 2 of Chapter 7, Acceleration, will help students better understand Newton's 2nd Law of Motion.

FCAT Pacing Guide

Chapter 9 Electromagnetic Waves

45-minute period

Day 37 Launch LAB Section 1 MiniLAB	Day 38 Section 2 MiniLAB	Day 39 Section 2 1-page LAB	Day 40 Section 3	Day 41 Section 3 2-page LAB	Day 42 Section 3 2-page LAB	Day 43 Chapter Review FCAT Practice
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90-minute period

Day 22 Launch LAB Section 1 Section 2 MiniLAB	Day 23 Section 2 MiniLAB	Day 24 Sections 2 1-page LAB	Day 25 Section 3 2-page LAB	Day 26 Chapter Review FCAT Practice
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Chapter 10 Thermal Energy

45-minute period

Day 44 Launch LAB Section 1	Day 45 Section 1	Day 46 Section 2 MiniLAB	Day 47 Section 2	Day 48 Section 2 MiniLAB	Day 49 Section 2 1-page LAB	Day 50 Section 3	Day 51 Section 3 2-page LAB
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Day 52 Section 3 2-page LAB	Day 53 Chapter Review	Day 54 FCAT Review
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90-minute period

Day 27 Launch LAB Section 1 Section 2	Day 28 Section 2 MiniLAB	Day 29 Section 2 MiniLAB	Day 30 Section 2 1-page LAB	Day 31 Section 3	Day 32 Section 3 2-page LAB	Day 33 Chapter Review FCAT Practice
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FCAT Pacing Guide

Chapter 11 The Solar System

45-minute period

Day 55 Launch LAB Section 1	Day 56 Section 1 1-page Lab	Day 57 Section 2	Day 58 Section 2 MiniLAB	Day 59 Section 3	Day 60 Section 3 MiniLAB	Day 61 Section 4	Day 62 2-page Lab	Day 63 2-page LAB
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Day 64 Chapter Review	Day 65 FCAT Practice
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90-minute period

Day 34 Launch LAB Section 1	Day 35 Section 1 1-page LAB	Day 36 Section 2 MiniLAB Section 2	Day 37 Section 3	Day 38 Section 3 MiniLAB	Day 39 Section 4 2-page LAB Section 4	Day 40 Chapter Review FCAT Practice
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Chapter 12 Stars and Galaxies

45-minute period

Day 66 Launch LAB Section 1	Day 67 Section 1 MiniLAB	Day 68 Section 2	Day 69 Section 2 1-page LAB	Day 70 Section 3	Day 71 Section 3	Day 72 Section 4 MiniLAB	Day 73 Section 4	Day 74 Section 4 2-page LAB
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Day 75 Section 4 2-page LAB	Day 76 Chapter Review FCAT Practice
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90-minute period

Day 41 Launch LAB Section 1 MiniLAB	Day 42 Section 2 1-page LAB	Day 43 Section 3 MiniLAB Section 4	Day 44 Section 4 2-page LAB	Day 45 Chapter Review FCAT Practice
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FCAT Pacing Guide

Chapter 13 Cell Reproduction

45-minute period

Day 77 Launch LAB Section 1	Day 78 Section 1 MiniLAB	Day 79 Section 1 1-page LAB	Day 80 Section 2	Day 81 Section 3 MiniLAB	Day 82 Section 3 2-page LAB	Day 83 Section 3 2-page LAB	Day 84 Chapter Review
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Day 85

FCAT Practice

90-minute period

Day 46 Launch LAB Section 1 MiniLAB	Day 47 Section 1 1-page LAB	Day 48 Section 2 Section 3 MiniLAB	Day 49 Section 3 2-page LAB	Day 50 Chapter Review FCAT Practice
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Chapter 14 Plant Reproduction

45-minute period

Day 86 Launch LAB Section 1	Day 87 Section 1 MiniLAB	Day 88 Section 2	Day 89 Section 2 1-page LAB	Day 90 Section 3 MiniLAB	Day 91 Section 3 2-page LAB	Day 92 Section 3 2-page LAB	Day 93 Chapter Review FCAT Practice
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90-minute period

Day 51 Launch LAB Section 1 MiniLAB	Day 52 Section 2 1-page LAB Section 3	Day 53 Section 3 MiniLAB Chapter Review	Day 54 Section 3 2-page LAB FCAT Practice
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FCAT Pacing Guide

Chapter 15 Human Regulation and Reproduction

45-minute period

Day 94 Launch LAB Section 1	Day 95 Section 1 Section 2 MiniLAB	Day 96 Section 2 1-page LAB	Day 97 Section 3	Day 98 Section 3 MiniLAB	Day 99 Section 3 2-page LAB	Day 100 Section 3 2-page LAB	Day 101 Chapter Review FCAT Practice
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90-minute period

Day 55 Launch LAB Section 1 Section 2	Day 56 Section 2 MiniLAB	Day 57 Section 2 1-page LAB	Day 58 Section 3 MiniLAB Chapter Review	Day 59 Section 3 2-page LAB FCAT Practice
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Chapter 16 Heredity

45-minute period

Day 102 Launch LAB Section 1	Day 103 Section 1 MiniLAB	Day 104 Section 1 1-page LAB	Day 105 Section 2	Day 106 Section 2 MiniLAB	Day 107 Section 3	Day 108 Section 3 2-page LAB	Day 109 Section 3 2-page LAB
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Day 110 Chapter Review FCAT Practice	Day 111 Post-test
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90-minute period

Day 60 Launch LAB Section 1 MiniLAB	Day 61 Section 1 1-page LAB	Day 62 Section 2 MiniLAB	Day 63 Section 3 2-page LAB	Day 64 Chapter Review FCAT Practice
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Remaining days before FCAT can be used to enhance the work that has been done. Work on areas that are of greatest concern to your students. Also allows for make-up days due to unforeseen circumstances

FCAT Pacing Guide

Days after FCAT

Chapter 2 Forces Shaping Earth

45-minute period

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Launch LAB Section 1	Section 1 MiniLAB	Section 1 1-page LAB	Section 2 MiniLAB	Section 2 2-page LAB Chapter Review	Chapter Review FCAT Practice

90-minute period

Day 1	Day 2	Day 3	Day 4
Launch LAB Section 1 MiniLAB	Section 2 MiniLAB Section 3	Section 3 1-page LAB Chapter Review	Section 3 2-page LAB Chapter Review FCAT Practice

Chapter 4 The Periodic Table

45-minute period

Day 7	Day 8	Day 9	Day 10	Day 11
Launch LAB Section 1 MiniLAB	Section 1 MiniLAB Section 2	Section 3 1-page LAB	Section 3 2-page LAB	Chapter Review FCAT Practice

90-minute period

Day 5	Day 6	Day 7
Launch LAB Section 1 MiniLAB Section 2	Section 3 1-page LAB	Section 3 2-page LAB Chapter Review FCAT Practice

FCAT Pacing Guide

Chapter 5 Atomic Structure and Chemical Bonds

45-minute period

Day 12 Launch LAB Section 1	Day 13 Section 1 MiniLAB Section 2	Day 14 Section 2 MiniLAB	Day 15 Section 2 1-page LAB	Day 16 Section 2 2-page LAB Chapter Review	Day 17 Chapter Review FCAT Practice
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90-minute period

Day 8 Launch LAB Section 1 MiniLAB	Day 9 Section 2 MiniLAB	Day 10 Section 2 1-page LAB Chapter Review	Day 11 Section 2 2-page LAB Chapter Review FCAT Practice
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Chapter 7 Motion and Momentum

45-minute period

Day 18 Launch LAB Section 1	Day 19 Section 1 MiniLAB	Day 20 Section 2 MiniLAB	Day 21 Section 3	Day 22 1-page LAB	Day 23 2-page LAB Chapter Review	Day 24 Chapter Review FCAT Practice
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90-minute period

Day 12 Launch LAB Section 1 MiniLAB	Day 13 Section 2 MiniLAB Section 3	Day 14 Section 3 1-page LAB	Day 15 2-page LAB Chapter Review	Day 16 Chapter Review FCAT Practice
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FCAT Pacing Guide

Chapter 17 Adaptations over Time

45-minute period

Day 25 Launch LAB Section 1	Day 26 Section 1 MiniLAB Section 2	Day 27 1-page LAB	Day 28 Section 3 MiniLAB	Day 29 2-page LAB Chapter Review	Day 30 Chapter Review FCAT Practice
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90-minute period

Day 17 Launch LAB Section 1 MiniLAB	Day 18 1-page LAB Section 2	Day 19 Section 2 Section 3 MiniLAB	Day 20 2-page LAB Chapter Review	Day 21 Chapter Review FCAT Practice
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Chapter 18 Interactions of Living Things

45-minute period

Day 31 Launch LAB Section 1	Day 32 1-page LAB	Day 33 Section 2 MiniLAB	Day 34 Section 3 MiniLAB	Day 35 2-page LAB Chapter Review	Day 36 Chapter Review FCAT Practice
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90-minute period

Day 22 Launch LAB Section 1 1-page LAB	Day 23 Section 2 MiniLAB Section 3	Day 34 Section 3 MiniLAB Chapter Review	Day 25 2-page LAB Chapter Review FCAT Practice
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FCAT Pacing Guide

Chapter 19 Oceanography

45-minute

Day 37 Launch LAB Section 1	Day 38 Section 1 MiniLAB	Day 39 1-page LAB MiniLAB	Day 40 Section 2 MiniLAB	Day 41 Section 3	Day 42 2-page LAB Chapter Review	Day 43 Chapter Review FCAT Practice
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90-minute

Day 26 Launch LAB Section 1 MiniLAB	Day 27 1-page LAB Section 2	Day 28 Section 2 MiniLAB Section 3	Day 29 2-page LAB Chapter Review FCAT Practice
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Chapter 20 Resources

45-minute period

Day 44 Launch LAB Section 1	Day 45 Section 2 MiniLAB	Day 46 Section 2 MiniLAB Section 3	Day 47 1-page LAB	Day 48 2-page LAB Chapter Review	Day 49 Chapter Review FCAT Practice
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90-minute period

Day 30 Launch LAB Section 1 Section 2 MiniLAB	Day 31 Section 2 MiniLAB Section 3	Day 32 1-page LAB Chapter Review	Day 33 2-page LAB FCAT Practice
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Glencoe Florida Science, Grade 8 Correlated to Sunshine State Standards

This correlations guide will help you organize long and short-term planning to make sure that the necessary Florida Benchmarks are covered in your science classroom. The Benchmarks in bold print are the in-depth Benchmarks for the section.

Chapter 1: The Nature of Science and Technology

Section 1: What is science?	pp. 6–11	SC.H.1.3.1, SC.H.1.3.3 , SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.4 , SC.H.3.3.6
Section 2: Science in Action	pp. 12–20	SC.H.1.3.1, SC.H.1.3.3, SC.H.1.3.4, SC.H.1.3.5 , SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.1, SC.H.3.3.2, SC.H.3.3.3
Section 3: Models in Science	pp. 21–26	SC.H.1.3.1, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1 , SC.H.3.3.1, SC.H.3.3.4, SC.H.3.3.7
Section 4: Evaluating Scientific Explanation	pp. 27–39	SC.H.1.3.1, SC.H.1.3.3, SC.H.1.3.4 , SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.1, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6, SC.H.3.3.7

Chapter 2: Forces Shaping Earth

Section 1: Earth's Moving Plates	pp. 42–52	SC.C. 1.3.2 , SC.D.1.3.3, SC.D.1.3.5 , SC.H.1.3.3, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1
Section 2: Uplift of Earth's Crust	pp. 53–67	SC.B.1.3.6, SC.D.1.3.3, SC.D.1.3.5 , SC.H.1.3.1, SC.H.1.3.5, SC.H.2.3.1, SC.H.3.3.7

Chapter 3: Weathering and Erosion

Section 1: Weathering and Soil Formation	pp. 70–76	SC.D.1.3.1 , SC.D.1.3.2, SC.D.1.3.3, SC.D.1.3.4, SC.D.1.3.5 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1
Section 2: Erosion of Earth's Surface	pp. 77–93	SC.D.1.3.1, SC.D.1.3.3, SC.D.1.3.4 , SC.D.1.3.5, SC.H.1.3.5, SC.H.1.3.7



Guide to FCAT Success

Chapter 4: The Periodic Table

Section 1: Introduction to the Periodic Table	pp. 98–104	SC.A.1.3.1, SC.A.1.3.5, SC.H.1.3.6, SC.H.2.3.1 , SC.H.3.3.5
Section 2: Representative Elements	pp. 105–111	SC.A.1.3.1 , SC.A.1.3.5, SC.G.1.3.4,
Section 3: Transition Elements	pp. 112–125	SC.A.1.3.1 , SC.A.1.3.5, SC.D.2.3.1, SC.D.2.3.2, SC.G.2.3.3, SC.G.2.3.4, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.3.3.4

Chapter 5: Atomic Structure and Chemical Bonds

Section 1: Why do atoms combine?	pp. 128–135	SC.A.1.3.5, SC.A.2.3.2 , SC.H.1.3.6, SC.H.2.3.1 , SC.H.3.3.5
Section 2: How Elements Bond	pp. 136–153	SC.A.2.3.1, SC.A.2.3.2 , SC.H.1.3.4, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.5

Chapter 6: States of Matter

Section 1: Matter	pp. 156–160	SC.A.1.3.1, SC.A.1.3.3 , SC.A.1.3.4 , SC.H.2.3.1
Section 2: Changes of State	pp. 161–169	SC.A.1.3.1, SC.A.1.3.3, SC.A.1.3.4 , SC.A.1.3.5, SC.B.1.3.5, SC.H.1.3.5
Section 3: Behavior of Fluids	pp. 170–185	SC.A.1.3.1, SC.A.1.3.3, SC.C.2.3.2 , SC.H.1.3.2, SC.H.1.3.5, SC.1.3.6, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6

Chapter 7: Motion and Momentum

Section 1: What is motion?	pp. 190–195	SC.C.1.3.1 , SC.H.1.3.5, SC.H.2.3.1
Section 2: Acceleration	pp. 196–200	SC.C.1.3.1 , SC.H.1.3.5
Section 3: Momentum	pp. 201–215	SC.C.2.3.5 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6

Chapter 8: Force and Newton's Laws

Section 1: Newton's First Law	pp. 218–223	SC.C.2.3.1, SC.C.2.3.2 , SC.C.2.3.3, SC.C.2.3.4, SC.C.2.3.5 , SC.H.1.3.5,
Section 2: Newton's Second Law	pp. 224–230	SC.A.1.3.2 , SC.C.2.3.2 , SC.C.2.3.6 , SC.C.2.3.7 , SC.H.1.3.1, SC.H.1.3.5
Section 3: Newton's Third Law	pp. 231–245	SC.A.1.3.2, SC.C.2.3.3, SC.C.2.3.5, SC.C.2.3.7, SC.H.1.3.4 , SC.H.1.3.5, SC.H.1.3.7, SC.H.3.3.4



Chapter 9: Electromagnetic Waves

Section 1: The Nature of Electromagnetic Waves	pp. 248–252	SC.A.2.3.1, SC.B.1.3.3 , SC.B.1.3.6 , SC.C.1.3.2, SC.C.2.3.1
Section 2: The Electromagnetic Spectrum	pp. 253–262	SC.A.2.3.3 , SC.B.1.3.3 , SC.B.1.3.6, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7
Section 3: Using Electromagnetic Waves	pp. 263–275	SC.A.2.3.1, SC.A.2.3.3, SC.B.1.3.1, C.B.1.3.3, SC.B.1.3.6, SC.C.1.3.2, SC.C.2.3.1, SC.H.1.3.4 , SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.3.3.4, SC.H.3.3.5, SC.H.3.3.6

Chapter 10: Thermal Energy

Section 1: Temperature and Thermal Energy	pp. 278–281	SC.A.1.3.3 , SC.B.1.3.2, SC.B.1.3.4, SC.H.1.3.5
Section 2: Transferring Thermal Energy	pp. 282–286	SC.B.1.3.5 , SC.H.1.3.5
Section 3: Usable Energy	pp. 287–301	SC.B.1.3.1 , SC.B.1.3.2, SC.B.1.3.4 , SC.B.1.3.5, SC.B.2.3.1 , SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.7, SC.H.2.3.1

Chapter 11: The Solar System

Section 1: Solar System Models	pp. 306–311	SC.C.2.3.7 , SC.D.1.3.5 , SC.E.1.3.1 , SC.E.1.3.3, SC.H.1.3.1, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1, SC.H.3.3.5, SC.H.3.3.6
Section 2: The Inner Planets	pp. 312–317	SC.E.1.3.1, SC.E.1.3.2 , SC.H.1.3.6, SC.H.3.3.4, SC.H.3.3.5
Section 3: The Outer Planets	pp. 318–325	SC.E.1.3.1, SC.E.1.3.2, SC.H.1.3.6, SC.H.3.3.5
Section 4: Other Objects in the Solar System	pp. 326–337	SC.E.1.3.1, SC.E.1.3.2 , SC.H.1.3.1, SC.H.1.3.4, SC.H.1.3.5, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1, SC.H.3.3.5



Guide to FCAT Success

Chapter 12: Stars and Galaxies

Section 1: Stars in Our Galaxy	pp. 340–344	SC.D.1.3.5, SC.E.1.3.3, SC.E.1.3.4, SC.E.2.3.1 , SC.H.2.3.1, SC.H.3.3.5
Section 2: The Sun	pp. 345–349	SC.D.1.3.5, SC.E.1.3.3 , SC.E.1.3.4, SC.H.1.3.7, SC.H.2.3.1
Section 3: Life Cycle of Stars	pp. 350–355	SC.E.1.3.4 , SC.H.1.3.1, SC.H.3.3.5
Section 4: Galaxies and the Universe	pp. 356–369	SC.D.1.3.5, SC.E.1.3.3, SC.E.2.3.1, SC.H.1.3.5 , SC.H.2.3.1, SC.H.3.3.5

Chapter 13: Cell Reproduction

Section 1: Cell Division and Mitosis	pp. 374–381	SC.F.1.3.1, SC.F.1.3.3 , SC.F.1.3.5, SC.F.2.3.1 , SC.H.1.3.5, SC.H.1.3.6, SC.H.2.3.1
Section 2: Sexual Reproduction and Meiosis	pp. 382–387	SC.F.1.3.1, SC.F.2.3.1 , SC.F.2.3.2, SC.H.2.3.1
Section 3: DNA	pp. 388–401	SC.F.1.3.5, SC.F.2.3.2, SC.H.1.3.2, SC.H.1.3.4, SC.H.1.3.6, SC.H.1.3.7, SC.H.2.3.1 , SC.H.3.3.5, SC.H.3.3.7

Chapter 14: Plant Reproduction

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