

Quarter 1 – Kindergarten (8/12- 10/11)				
	Units	State Academic Standards	# of Days	Dates
Preparing Young Scientists	Launching the science classroom with lab safety, and science interactive notebook setup	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	12	8/12-8/27
Investigating Matter	Unit 1: Properties of Matter	SC.K.P.8.1, SC.K.N.1.1 - N.1.2	21	8/28-9/26
	Unit 2: Changes in Matter	SC.K.P.9.1, SC.K.N.1.1 - N.1.5	9	9/30-10/11
Quarter 2 – Kindergarten (10/16-12/20)				
	Units	State Academic Standards	# of Days	Dates
Experimenting with Sounds, Pushes and Pulls	Unit 3: Sounds	SC.K.P.10.1, SC.K.N.1.1 - N.1.2, N.1.5	14	10/15-11/1
	Unit 4: Pushes and Pulls	SC.K.P.12.1, SC.K.P.13.1, SC.K.N.1.1 - N.1.3	21	11/4-12/20
Progress Monitoring			1	10/21-10/25
Quarter 3 – Kindergarten (1/7-3/14)				
	Units	State Academic Standards	# of Days	Dates
Exploring the Sky and Space	Unit 5: Patterns on Earth and in Space (day/night)	SC.K.E.5.2, SC.K.E.5.3, SC.K.E.5.4	13	1/7-1/24
	Unit 6: Big/Small and Near/Far	SC.K.E.5.5, SC.K.E.5.6	10	1/27-2/7
	Unit 7: Gravity on Earth	SC.K.E.5.1	11	2/10-2/25
Studying Living Things	Unit 8: Senses and Me	SC.K.L.14.1, SC.K.N.1.1 - N.1.5	14	2/26-3/14
Progress Monitoring			1	3/3-3/7
Quarter 4 – Kindergarten (3/25-5/30)				
	Units	State Academic Standards	# of Days	Dates
Studying Living Things	Unit 9: Comparing Plants and Animals	SC.K.L.14.3	21	3/25-4/22
	Unit 10: Living Things and Media	SC.K.L.14.2	17	4/23-5/16
Solving Problems through STEM	Unit 11: Solving Problems with a Science Focus	SC.K.N.1.1 - N.1.5	9	5/19-5/30

Quarter 1 – First Grade (8/12 -10/11)				
	Units	State Academic Standards	# of Days	Dates
Preparing Young Scientists	Launching the science classroom with lab safety, and science interactive notebook setup	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	16	8/12-9/3
Investigating Matter	Unit 1: Properties of Matter	SC.1.P.8.1	13	9/4-9/20
Inquiry into Motion	Unit 2: Direction	SC.1.P.12.1	14	9/23-10/11
Quarter 2 – First Grade (10/16-12/20)				
	Units	State Academic Standards	# of Days	Dates
Inquiry into Motion	Unit 3: Push or Pull	SC.1.P.13.1	14	10/15-11/1
Exploring Space	Unit 4: Gravity	SC.1.E.5.2	14	11/4-11/22
	Unit 5: Star patterns and magnifiers	SC.1.E.5.1, SC.1.E.5.3	10	12/2-12/13
	Unit 6: The Sun	SC.1.E.5.4	5	12/16-12/20
Progress Monitoring 1			1	10/21-10/25
Quarter 3 – First Grade (1/7-3/14)				
	Units	State Academic Standards	# of Days	Dates
Exploring Space	Unit 6: The Sun Continued	SC.1.E.5.4	4	1/7-1/10
Digging into the Earth's Surface	Unit 7: The Earth's Surface	SC.1.E.6.1, SC.1.E.6.2, SC.1.N.1.1-N.1.4	16	1/13-2/4
	Unit 8: Changes in the Earth	SC.1.E.6.3, SC.1.N.1.1-N1.4	12	2/5-2/20
Living Things and Their Needs	Unit 9: Using Senses: Living and Nonliving	SC.1.L.14.1, SC.1.L.14.3, SC.1.N.1.2-N.1.3	15	2/24-3/14
Progress Monitoring 2			1	3/3-3/7
Quarter 4 – First Grade (3/25-5/30)				
	Units	State Academic Standards	# of Days	Dates
Living Things and Their Needs	Unit 10: What about Plants and Animals?	SC.1.L.17.1, SC.1.L.16.1, SC.1.N.1.1-N.1.4	20	3/25-4/21
	Unit 11: Plants and Their Needs	SC.1.L.17.1, SC.1.L.16.1, SC.1.L.14.2, SC.1.N.1.1-N1.4	18	4/22-5/16
Solving Problems through STEM	Unit 12: Solving Problems with a Science Focus	SC.1.N.1.1 - N.1.4	9	5/19-5/30

Quarter 1 – Second Grade (8/12 -10/11)				
	Units	State Academic Standards	# of Days	Dates
Preparing Young Scientists	Launching the science classroom with lab safety, and science interactive notebook setup	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	5	8/12-8/16
Experiencing Weather	Unit 1: Interactions of Wind, Water, and Air	SC.2.E.7.2, SC.2.E.7.3, SC.2.E.7.4	21	8/19-9/17
	Unit 2: Weather Patterns	SC.2.E.7.1, SC.2.E.7.5, SC.2.P.8.5	17	9/18-10/11
Quarter 2 – Second Grade (10/16-12/20)				
	Units	State Academic Standards	# of Days	Dates
Digging into the Earth's Surface	Unit 3: Soil and Rocks	SC.2.E.6.1, SC.2.E.6.2, SC.2.E.6.3	19	10/15-11/8
Interacting with Energy, Force, and Motion	Unit 4: Energy	SC.2.P.10.1, SC.2.N.1.1	9	11/12- 11/22
	Unit 5: Force and Motion	SC.2.P.13.1, SC.2.P.13.2, SC.2.P.13.3 SC.2.P.13.4, SC.2.N.1.1, SC.2.N.1.6	15	12/2-12/20
Progress Monitoring 1			1	10/21-10/25
Quarter 3 – Second Grade (1/7-3/14)				
	Units	State Academic Standards	# of Days	Dates
Manipulating Matter	Unit 6: Properties of Matter	SC.2.P.8.1, SC.2.P.8.5, SC.2.N.1.1, SC.2.N.1.5-N.1.6	13	1/7-1/24
	Unit 7: Phases of Matter	SC.2P.8.2, SC.2P.8.3, SC.2P.8.4, SC.2P.8.6, SC.2.N.1.1, N.1.3,	19	1/27-2/20
	Unit 8: Changes in Matter	SC.2.P.9.1, SC.2.N.1.1, N.1.6	15	2/24-3/14
Progress Monitoring 2			1	3/3-3/7
Quarter 4 – Second Grade (3/25-5/30)				
	Units	State Academic Standards	# of Days	Dates
Studying Living Things	Unit 9: Needs of living things and Life Cycle of Plants and Animals	SC.2.L.17.1, SC.2.L.17.2, SC.2.L.16.1	28	3/25-5/2
	Unit 10: Human Body and Me	SC.2.L.14.1	15	5/5-5/23
Solving problems through STEM	Unit 11: Solving Problems with a Science Focus	All	4	5/27-5/30

Quarter 1 – Third Grade (8/12 -10/11)				
	Units	State Academic Standards	# of Days	Dates
Preparing Young Scientists	Launching the science classroom with lab safety, and science interactive notebook setup	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	5	8/12-8/16
Exploring our Solar System	Unit 1: Stars	SC.3.E.5.1, SC.3.E.5.5	14	8/19-9/13
	Unit 2: Sun and Earth	SC.3.E.5.2, SC.3.E.5.3, SC.3.E.5.4, SC.3.E.6.1	19	9/16-10/11
Progress Monitoring 1			1	8/26-9/6
Quarter 2 – Third Grade (10/16-12/20)				
	Units	State Academic Standards	# of Days	Dates
Manipulating Matter	Unit 3: Properties of Matter	SC.3.P.8.1, SC.3.P.8.2, SC.3.P.8.3,	19	10/15-11/8
	Unit 4: Changes in Water	SC.3.P.9.1	9	11/12-11/22
Interacting with Energy	Unit 5: Forms of Energy	SC.3.P.10.1, SC.3.P.10.3, SC.3.P.10.4, SC.3.P.11.1	15	12/2-12/20
Progress Monitoring 2			1	12/2-12/13
Quarter 3 – Third Grade (1/7-3/14)				
	Units	State Academic Standards	# of Days	Dates
Studying Plants and Animals	Unit 6: Plant Structure and Function	SC.3.L.14.1, SC.3.L.14.2, SC.3.L.17.2, SC.3.N.1.1-N.1.3	23	1/7-2/7
	Unit 7: Plant Classification	SC.3.L.15.2, SC.3.L.14.2, SC.3.L.14.1, SC.3.N.1.1-N.1.3	24	2/10-3/14
Quarter 4 – Third Grade (3/25-5/30)				
	Units	State Academic Standards	# of Days	Dates
Studying Plants and Animals	Unit 8: Animal Classification	SC.3.L.15.1, SC.3.N.1.4-N.1.5	24	3/25-4/25
	Unit 9: Plants and Animals responses to changing seasons	SC.3.L.17.1, SC.3.N.1.1, N.1.5-N.1.6	16	4/29-5/20
Solving Problems through STEM	Unit 10: Solving Problems with Science	SC.3.N.1.1-N.1.7, SC.3.N.3.1-3.3	7	5/21-5/30
Progress Monitoring 3			1	4/14-4/25

Quarter 1 – Fourth Grade (8/12 -10/11)				
	Units	State Academic Standards	# of Days	Dates
Preparing Young Scientists	Launching the science classroom with lab safety, and science interactive notebook setup	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	5	8/12-8/16
Space and Time	Unit 1: Rotation and Revolution	SC.4.E.5.3, SC.4.E.5.4, SC.4.E.5.5	12	8/19-9/4
	Unit 2: Moon Phases	SC.4.E.5.2 SC.4.E.5.5	6	9/5-9/9/12
	Unit 3: Star Patterns	SC.4.E.5.1	6	9/13-9/20
Digging into Earth's Struct.	Unit 4: Rocks and Minerals	SC.4.E.6.1, SC.4.E.6.2, SC.4.E.6.5	14	9/23-10/11
Progress Monitoring 1			1	8/26-9/6
Quarter 2 – Fourth Grade (10/16-12/20)				
	Units	State Academic Standards	# of Days	Dates
Digging into Earth's Struct.	Unit 5: Weathering and Erosion	SC.4.E.6.4	14	10/15-11/1
	Unit 6: Earth's Resources	SC.4.E.6.3, SC.4.E.6.6	9	11/4-11/15
Investigating Matter & Water	Unit 7: Properties of Matter	SC.4.P.8.1, SC.4.P.8.4, SC.4.N.1.1, N.2.1	13	11/18-12/11
	Unit 8: Changing Matter	SC.4.P.9.1, SC.4.P.8.3, SC.4.N.1.1-N.1.2	7	12/12-12/20
Progress Monitoring 2			1	12/2-12/13
Quarter 3 – Fourth Grade (1/7-3/14)				
	Units	State Academic Standards	# of Days	Dates
Investigating Matter & Water	Unit 9: Heat and Conductors	SC.4.P.11.1, SC.4.P.11.2, SC.4.P.8.2 SC.4.N.1.2, N.1.6,N.2.1	13	1/7-1/24
Experimenting with Energy and Motion	Unit 10: Energy	4.P.10.1, 4.P.10.2, 4.P.10.3,N.1.1, N.1.3, N.2.1, N.3.1	15	1/27-2/14
	Unit 11: Motion	SC.4.P.12.1, SC.4.P.12.2, SC4.N.1.1-N.1.3, N.1.6	19	2/17-3/14
Quarter 4 – Fourth Grade(3/25-5/30)				
	Units	State Academic Standards	# of Days	Dates
Studying Living Things	Unit 12: Heredity: Traits and inheritance	SC.4.L.16.2, SC.4.L.16.3	11	3/25- 4/8
	Unit 13: Plant and animal reproduction	SC.4.L.16.1, SC.4.L.16.4	18	4/9-5/5
	Unit 14: Interdependence – Food chains	SC.4.L.17.1, SC.4.L.17.2, SC.4.L.17.3, SC.4.L.17.4	11	5/6-5/20
Solving Problems through STEM	Unit 15: Coding and Robotics	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	7	5/21-5/30
Progress Monitoring 3			1	4/14-4/25

Quarter 1 – Fifth Grade (8/12 -10/11)				
	Units	State Academic Standards	# of Days	Dates
Preparing Young Scientists	Launching the science classroom with lab safety, and science interactive notebook setup	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	5	8/12-8/16
Exploring Space	Galaxies, Planets, and other celestial bodies	SC.5.E.5.1, SC.E.5.2, SC.5.E.5.3	14	8/19-9/6
Experiencing Earth's Water, Weather, and Climate	Water Cycle, Oceans, Precipitation, and Clouds	SC.5.E.7.1,5.E.7.2, 5.E.7.4.,5.N.1.2.,5.N.1.5	10	9/9- 9/20
	Climate Zones and Environments	SC.5.E.7.5, SC.5.E.7.6, SC.5.N.1.1	9	9/23-10/4
	Weather	SC.5.E.7.3, SC.5.E.7.7, SC.5.N.1.1	5	10/7-10/11
Progress Monitoring 1			1	8/26-9/6
Quarter 2 – Fifth Grade (10/16-12/20)				
	Units	State Academic Standards	# of Days	Dates
Experiencing Earth's Water, Weather, and Climate	Weather	SC.5.E.7.3, SC.5.E.7.7, SC.5.N.1.1	9	10/15-10/25
Earth and Space Science Review	3 rd and 4 th Grade Fair Game	SC.3.E.6.1, SC.4.E.6.1, SC.4.E.6.2, SC.4.E.6.3, SC.4.E.6.6, SC.4.E.6.4	5	10/28-11/1
Investigating Matter	Properties of Matter	SC.5.P.8.1, SC.5.P.8.4, SC.5.N.1.1, N.1.3-N.1.4	10	11/4-11/18
	Changing Matter	SC.5.P.9.1, SC.5.N.1.1	9	11/19-12/6
	Mixtures	SC.5.P.8.2, SC.5.P.8.3, SC.5.N.1.2, 5.N.1.2	10	12/9-12/20
Progress Monitoring 2			1	12/2-12/13
Quarter 3 – Fifth Grade (1/7-3/14)				
	Units	State Academic Standards	# of Days	Dates
Matter Review	3 rd and 4 th Grade Fair Game	SC.4.P.9.1	4	1/7-1/10
Experimenting with Energy	Forms of Energy	SC.5.P.10.1,5.P.10.2, 5.P.10.4.,5.N.1.1-N.1.5	9	1/13-1/24
	Electricity	SC.5.P.10.3, SC.5.P.11.1, SC.5.P.11.2	6	1/27-2/3
Energy Review	3 rd and 4 th Grade Fair Game	SC.3.P.11.1, SC.3.P.11.2, SC.4.P.10.4	4	2/4-2/7
Inquiring into Force & Motion	Force and Motion	SC.5.P.13.1, 5.P.13.2, 5.P.13.3, 5.P.13.4	14	2/10-2/28
Researching Living Things	Adaptations, the Environment, & Changes across Time	SC.5.L.15.1, SC.5.L.17.1	10	3/3-3/14
Progress Monitoring 3: Mock			1	2/19-2/26
Quarter 4 – Fifth Grade (3/25-5/30)				
	Units	State Academic Standards	# of Days	Dates
Researching Living Things	Adaptations, the Environment, & Changes across Time	SC.5.L.15.1, SC.5.L.17.1	4	3/25-3/28
	Human Body	SC.5.L.14.1, SC.5.L.14.2	10	3/31-4/11
FSSA Review	Life, Physical, Earth-Space	Data-dependent/driven	15	4/14-5/6
Solving Problems through STEM	Coding and Robotics	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	~17 Days	After FSSA-5/30
FSSA			1	5/7 or 5/8

6th grade
Earth-Space Science

Quarter 1 (43 Days): 8/12-10/11			
Units	State Academic Standards	# of Days	Dates
Preparing Future Scientists	Science and Engineering Practices (<i>NRC Framework for K-12 Science Education, 2010</i>)	5	August 12- August 16
Earth's Interior	SC.7.E.6.1, SC.6.E.7.1, SC.6.N.3.4, SC.7.N.3.2, SC.8.N.1.5 and SC.8.N.1.6	14	August 19- September 6
Plate Tectonics	SC.7.E.6.5, SC.7.E.6.7, SC.6.N.2.2, SC.6.N.3.1, and SC.6.N.1.5	12	September 9-September 24
Earth's Past	SC.7.E.6.4, SC.7.E.6.3, SC.6.N.3.1, SC.8.N.1.5, SC.7.N.3. and SC.6.N.1.1	7	September 25- October 4
Science in Action: Below the Surface	SC.7.E.6.1, SC.6.E.7.1, SC.7.E.6.5, SC.7.E.6.7	5	October 7- October 11
Science Progress Monitoring 1		1	August 26- September 6
Quarter 2 (43 Days):10/15-12/20			
Units	State Academic Standards	# of Days	Dates
The Rock Cycle	SC.7.E.6.2, SC.6.N.3.4 and SC.7.N.3.2	11	October 15- October 29
Surface Events and Landforms	SC.6.E.6.1, SC.6.E.6.2, SC.6.N.1.1, SC.6.N.3.4 and SC.7.N.3.2	12	October 30- November 15
Human Impact on Earth	SC.7.E.6.6, SC.6.N.1.1, SC.6.N.3.4, SC.7.N.3.2 and SC.8.N.1.6	15	November 18- December 13
Science in Action: The Surface	SC.7.E.6.2, SC.6.E.6.1, SC.6.E.6.2, SC.7.E.6.6	5	December 16-December 20
Science Progress Monitoring 2		1	December 2-December 13
Quarter 3 (47 Days): 1/7-3/14			
Units	State Academic Standards	# of Days	Dates
Earth's Spheres and Atmospheric Layers	SC.6.E.7.9, SC.6.E.7.4, SC.6.E.7.2, SC.6.E.7.1, SC.6.N.3.4, SC.7.N.3.2 and SC.6.N.1.1	9	January 7-January 17
Weather, Climate, and Currents	SC.6.E.7.6, SC.6.E.7.5, SC.6.E.7.3, SC.6.E.7.1, SC.6.E.7.2, SC.6.N.3.4, SC.7.N.3.2 and SC.8.E.5.10	19	January 21- February 14
Earth, Moon, and Sun Relationships	SC.8.E.5.9, SC.8.E.5.4, SC.6.N.3.4, SC.7.N.3.2 and SC.8.E.5.10	14	February 17-March 7
Science in Action: Beyond the Surface of the Earth	SC.6.E.7.4, SC.6.E.7.5, SC.6.E.7.3, SC.6.E.7.1, SC.6.E.7.2, SC.8.E.5.9, SC.8.E.5.4	5	March 10-March 14
Quarter 4 (47 days): 3/25-5/30			
Units	State Academic Standards	# of Days	Dates
The Solar System	SC.8.E.5.8, SC.8.E.5.4, SC.8.E.5.7, SC.8.E.5.11, SC.6.N.2.2, SC.6.N.3.1, SC.6.N.3.2, SC.6.N.3.4, SC.7.N.3.2, SC.7.N.1.7 and SC.7.7.N.3.1	14	March 25- April 11
The Sun and Other Stars	SC.8.E.5.6, SC.8.E.5.5, SC.8.E.5.3, SC.8.E.5.4, SC.6.N.2.2, SC.6.N.3.4, SC.7.N.3.2 and SC.8.E.5.10	14	April 14- May 2
Galaxies and The Universe	SC.8.E.5.2, SC.8.E.5.3, SC.8.E.5.1, SC.8.E.5.4, SC.6.N.1.5, SC.6.N.2.2, SC.6.N.3.2, SC.6.N.3.4, SC.7.N.3.2 and SC.8.E.5.10	10	May 5- May 16
Science in Action: Outer Space	SC.8.E.5.8, SC.8.E.5.7, SC.8.E.5.11, SC.8.E.5.6, SC.8.E.5.5, SC.8.E.5.3, SC.8.E.5.2, SC.8.E.5.1	9	May 19- May 30
Science Progress Monitoring 3		1	April 14-April 25

7th grade
Physical Science

Quarter 1 (43 Days): 8/12-10/11			
Units:	State Academic Standards	# of Days	Dates
Preparing Future Scientist	Science and Engineering Practices (NRC Framework for K-12 Science Education, 2010)	5	August 12- August 16
Unit 1: Atomic Theory and Particles	SC.8.P.8.7, SC.8.P.8.1, SC.7.P.11.1, SC.7.N.1.1, SC.7.N.1.7, SC.N.3.2, SC.7.N.3.1, SC.6.N.2.2, SC.6.N.1.5 and SC.7.N.2.1	16	August 19- September 10
Unit 2: Periodic Table, Elements, Compounds and Mixtures	SC.8.P.8.6, SC.8.P.8.5, SC.8.P.8.9, SC.7.N.3.2, SC.6.N.2.2 and SC.8.N.1.6	14	September 11- October 1
Unit 3: Acids and Bases	SC.8.P.8.8, SC.7.N.1.1, SC.7.N.1.2 and SC.7.N.1.4	5	October 2-October 8
Science in Action: What Matter is Made of?	SC.8.P.8.7, SC.8.P.8.1, SC.8.P.8.6, SC.8.P.8.5, SC.8.P.8.9, SC.8.P.8.8	3	October 9-11
Progress Monitoring 1		1	August 26- September 6
Quarter 2 (43 Days):10/15-12/20			
Units:	State Academic Standards	# of Days	Dates
Unit 4: Properties of Matter	SC.8.P.8.4, SC.8.P.8.2, SC.8.P.8.3, SC.7.N.1.1, SC.7.N.1.2, SC.7.N.1.3 and SC.7.N.1.4,	23	October 15- November 15
Unit 5: Changes in Matter	SC.8.P.9.2, SC.8.P.9.1, SC.8.P.9.3, SC.7.N.1.1, SC.7.N.1.2, SC.7.N.1.3, SC.7.N.1.4, SC.7.N.1.6 and SC.6.N.3.2	15	November 18- December 13
Science in Action: Properties and Changes of Matter	SC.8.P.8.4, SC.8.P.8.2, SC.8.P.8.3, SC.8.P.9.2, SC.8.P.9.1, SC.8.P.9.3	5	December 16-December 20
Progress Monitoring 2		1	December 2- December 13
Quarter 3 (47 Days): 1/7-3/14			
Units:	State Academic Standards	# of Days	Dates
Unit 6: Forces	SC.6.P.13.1, SC.8.P.8.2, SC.6.P.13.2, SC.7.N.1.1, SC.7.N.1.2, SC.7.N.1.3, SC.7.N.1.4, SC.7.N.3.2 and SC.6.N.3.2	18	January 7- January 31
Unit 7: Motion	SC.6.P.13.3, SC.6.P.12.1, SC.7.N.1.1, SC.7.N.1.2, SC.7.N.1.3, SC.7.N.1.4, SC.8.N.1.3 and SC.7.N.3.2	24	February 3- March 7
Science in Action: Forces and Motion	SC.6.P.13.1, SC.8.P.8.2, SC.6.P.13.2, SC.6.P.13.3, SC.6.P.12.1	5	March 10-March 14
Quarter 4 (47 days): 3/25-5/30			
Units:	State Academic Standards	# of Days	Dates
Unit 8: Energy & Transformations	SC.7.P.11.2, SC.6.P.11.1, SC.7.P.11.3, SC.7.P.11.4, SC.7.N.1.1, SC.7.N.1.2, SC.7.N.1.3, SC.7.N.1.4, SC.7.N.3.2 and SC.6.N.3.2 and SC.7.N.1.6	14	March 25- April 11
Unit 9: Behavior of Waves	SC.7.P.10.3, SC.7.P.10.2, SC.7.N.1.1, SC.7.N.1.2, SC.7.N.1.3, SC.7.N.1.4, SC.8.N.1.3 and SC.7.N.3.2	14	April 14- May 2
Unit 10: The Electromagnetic Spectrum	SC.7.P.10.1, SC.8.E.5.11, SC.8.E.5.10 and SC.7.N.3.2	10	May 5- May 16
Science in Action: Getting Energized	SC.7.P.11.2, SC.6.P.11.1, SC.7.P.11.3, SC.7.P.11.4, SC.7.P.10.3, SC.7.P.10.2, SC.7.P.10.1, SC.8.E.5.11, SC.8.E.5.10	9	May 19-May 30
Progress Monitoring 3		1	April 14-April 25

7th grade
Physical Honors
Science

Quarter 1 (43 Days): 8/12-10/11			
Units	State Academic Standards	# of Days	Dates
Preparing Future Scientists	Science and Engineering Practices (NRC Framework for K-12 Science Education, 2010)	5	August 12-August 16
Unit 1: Atomic Theory & The Periodic Table	SC.912.P.8.4, SC.912.P.8.3, SC.912.P.8.5, SC.8.P.8.6, SC.912.N.1.6, SC.912.N.3.1, SC.912.N.3.2, SC.912.N.3.4, SC.912.N.3.5, SC.8.N.3.1, SC.8.N.3.2	19	August 19- September 13
Unit 2: Compounds & Bonding, Mixtures, Solutions, & Properties of Water	SC.912.P.8.7, SC.8.P.8.5, SC.912.P.8.11, SC.912.L.18.12, SC.8.P.8.8, SC.8.P.8.9, SC.8.N.3.1, SC.912.N.3.5	19	September 16- October 11
Progress Monitoring 1		1	August 26- September 6
Quarter 2 (43 Days):10/15-12/20			
Units	State Academic Standards	# of Days	Dates
Unit 3: Physical & Chemical Properties of Matter	SC.912.P.8.2, SC.8.P.8.4, SC.8.P.8.2, SC.8.P.8.3, SC.912.N.1.1, SC.912.N.1.3	14	October 15- November 1
Unit 4: Physical & Chemical Changes in Matter	SC.912.P.8.2, SC.912.P.8.1, SC.912.P.12.11, SC.912.P.10.4, SC.912.P.10.5, SC.912.P.12.10, SC.7.P.11.1, SC.8.P.9.1, SC.912.N.1.1, SC.912.N.1.3	14	November 4- November 22
Unit 5: Chemical Reactions	SC.912.P.8.8, SC.912.P.12.12, SC.912.P.10.6, SC.912.P.10.7, SC.912.N.1.1, SC.912.N.1.3	15	December 2-December 20
Progress Monitoring 2		1	December 2- December 13
Quarter 3 (47 Days): 1/7-3/14			
Units	State Academic Standards	# of Days	Dates
Unit 6: Forces	SC.912.P.10.10, SC.912.P.12.4, SC.6.P.13.1, SC.8.P.8.2, SC.912.N.1.1, SC.912.N.3.3, SC.912.N.3.4	9	January 7-January 17
Unit 7: Motion & Momentum	SC.912.P.12.2, SC.912.9.12.3, SC.912.P.12.1, SC.912.P.12.5, SC.912.P.12.6, SC.6.P.13.3, SC.6.P.12.1, SC.912.N.1.1, SC.912.N.1.2, SC.912.N.3.3, SC.912.N.3.4	14	January 21- February 7
Unit 8: Energy, Systems, & Transformations	SC.912.P.10.1, SC.912.P.10.2, SC.912.P.10.6, SC.912.P.10.4, SC.6.P.11.1, MSC.7.P.11.3, SC.7.P.11.2, SC.7.P.11.4, SC.912.N.1.1, SC.912.N.1.2, SC.912.N.3.3, SC.912.N.3.4	14	February 10-February 28
Unit 9: Behavior of Waves	SC.912.P.10.21, SC.912.P.12.7, SC.7.P.10.2, SC.7.P.10.3, SC.912.N.1.1, SC.912.N.2.4, SC.912.N.3.1	10	March 3 -March 14
Progress Monitoring 3: Mock		1	February 19-February26
Quarter 4 (47 days): 3/25-5/30			
Units	State Academic Standards	# of Days	Dates
Unit 10: The Electromagnetic Spectrum	SC.912.P.10.18, SC.7.P.10.1, SC.912.N.3.5, SC.8.N.3.1	4	March 25-March 28
Unit 11: FSSA Final Review	All Standards	26	March 31-May 6
Unit 12: Work, Power & Electricity	SC.912.P.10.3, SC.912.P.10.15, SC.912.P.10.14, SC.912.N.1.3, SC.912.N. 1.6	8	May 7- May 16
Unit 13: Nuclear Reactions	SC.912.P.10.2, SC.912.P.10.10, SC.912.0.10.11, SC.912.N.4.1, SC.912.N.4.2	9	May 19-30
FSSA		1	May 7

8th grade
Life Science

Quarter 1 (43 Days): 8/12-10/11			
Units	State Academic Standards	# of Days	Dates
	Science and Engineering Practices (NRC Framework for K-12 Science Education, 2010)	5	August 12- August 16
Unit 1: Levels of Organization, Cell Theory, Cell Structure & Function	SC.6.L.14.1, SC.6.L.14.2, SC.6.L.14.4, SC.6.L.14.3, SC.6.N.3.4, SC.7.N.3.2, SC.6.N.2.2, SC.6.N.3.1	24	August 19- September 20
Unit 2: Photosynthesis & Cellular Respiration	SC.8.L.18.1, SC.8.L.18.2, SC.6.L.14.3, SC. 8.N.1.1, SC.7.N.1.4, SC. 7.N.1.2, SC.6.N.1.3, SC.6.N.3.4, SC.7.3.2	14	September 23- October 11
Progress Monitoring 1		1	August 26-September 6
Quarter 2 (43 Days):10/15-12/20			
Units	State Academic Standards	# of Days	Dates
Unit 3: Human Body	SC.6.L.14.5, SC.6.L.14.1, SC.N.3.4	9	October 15- October 25
Unit 4: Infectious Agents	SC.6.L.14.6, SC.6.L.14.5, SC.6.N.1.1, SC. 7.N.1.4, SC.8.N.1.6	5	October 28-November 1
Unit 5: The Basics of DNA, Cellular Reproduction	SC.7.L.16.1, SC.7.L.16.3, SC.6.N.3.4, SC.7.N.3.2,	14	November 4- November 22
Unit 6: Heredity & Genetics	SC.7.L.16.2, SC.7.L.16.1 SC.6.N.2.3, SC.6.N.3.4, SC.7.N.3.2, SC.8.N.1.6, SC.8.N.1.5	15	December 2-December 20
Progress Monitoring 2		1	December 2- December 13
Quarter 3 (47 Days): 1/7-3/14			
Units	State Academic Standards	# of Days	Dates
Science in Action	All previous topics and standards	4	January 7- January 10
Unit 7: Interactions in the Ecosystem	SC.7.L.17.2, SC.7.L.17.3, SC. 6.N.1.1, SC.7.N.1.4, SC.7.N.1.2	14	January 13- January 31
Unit 8: Ecosystem Structure and Energy Flow, Carbon Cycle, L.o.C	SC.7.L.17.1, SC.8.L.18.4, SC.8.L.18.3, SC.6.N.3.4, SC.7.N.3.2, SC.6.N.1.1, SC.7.N.1.4, SC.7.N.1.2	14	February 3- February 20
Unit 9: Evolution and Classification	SC.7.L.15.2, SC.7.L.15.1, SC.7.L.15.3, SC.6.L.15.1, SC.6.N.2.2, SC.6.N.3.1	15	February 24-March 14
Progress Monitoring 3: Mock		1	February 19- February 26
Quarter 4 (47 days): 3/25-5/30			
Units	State Academic Standards	# of Days	Dates
Unit 10: FSSA Review	All standards based on data from Mock	30	March 25-May 6
Unit 11: Biotechnology	SC.7.L.16.4, SC.6.N.2.3, SC. 6.N.1.5, SC.6.N.1.4	8	May 8-May 16
Introduction to HS Biological Sciences- applying	SC.912.L.14.6, SC.912.L.15.13, SC.912.L.17.11, SC.912.L.17.10, SC.912.L.17.20, SC.912.L.17.5	9	May 19- May 30
FSSA		1	May 7

Biology Curriculum Pacing Guide, Semester 1

Quarter 1 (43 Days)						
Unit	Lesson Breakdown	Standards			Number of Days	Dates
		Priority	Supporting	NOS		
Preparing Future Scientists SCALE N.1.1	Preparing Future Scientists Safety CER (Claims, Evidence, Reasoning) & Reading Strategies	N.1.1 – DOK 3			5	Aug 12 – Aug 16
Unit 1: Biochemistry SCALE L.18.12 SCALE L.18.1	Water – 4 days Macromolecules – 8 days	L.18.12 – DOK 2 L.18.1 – DOK 2	L.18.11 – DOK 2	N.1.1 – DOK 3 N.1.4 – DOK 3	12	Aug 19 – Sept 4 (Specific dates depend on the date the readiness is given)
*One day in this quarter is reserved for the Readiness Assessment.					1	TBD by teacher/PLT
Unit 2: Cells SCALE L.14.1 SCALE L.14.3	Cell Theory, Theory v Law & Microscopes – 3 days Cell Structure & Function – 8 days	L.14.1 – DOK 2 L.14.3 – DOK 2	L.14.2 – DOK 2 L.14.4 – DOK 2	N.1.3 – DOK 1 N.2.1 – DOK 3 N.3.1 – DOK 3 N.3.4 – DOK 2	11	Sept 5 – Sept 20
Unit 3: Cellular Energy SCALE L.18.9	Photosynthesis – 4 days Cellular Respiration – 4 days Interrelationship – 2 days	L.18.9 – DOK 2	L.18.7 – DOK 2 L.18.8 – DOK 2 L.18.10 – DOK 3	N.1.1 – DOK 3 N.1.4 – DOK 3	10	Sept 23 – Oct 7
Unit 4: Plant Physiology SCALE L.14.7	Transpiration & structures involved – 2 days Reproduction & structures involved – 2 days	L.14.7 – DOK 2		N.1.1 – DOK 3 N.1.6 – DOK 2	4	Oct 8 – Oct 11
Quarter 2 (43 Days)						
Unit 5: Cell Division SCALE L.16.17	Cell Cycle – 2 days Mitosis – 4 days Meiosis – 5 days Mitosis vs. Meiosis – 5 days	L.16.17 – DOK 3	L.16.8 – DOK 2 L.16.14 – DOK 2 L.16.16 – DOK 2	N.1.1 – DOK 3 N.1.6 – DOK 2	16	Oct 15 – Nov 5
Unit 6: DNA & Genetics SCALE L.16.1 SCALE L.16.3	Replication – 2 days Protein Synthesis – 6 days Mutations (chromosomal & gene) – 4 days Mendelian – 4 days Non-Mendelian – 6 days	L.16.1 – DOK 3 L.16.3 – DOK 3	L.16.2 – DOK 3 L.16.4 – DOK 3 L.16.5 – DOK 3 L.16.9 – DOK 2	N.2.1 – DOK 3 N.2.2 – DOK 3 N.3.5 – DOK 2	22	Nov 6 – Dec 13
Unit 7: Biotechnology SCALE L.16.10	Biotechnology – 5 days	L.16.10 – DOK 3		N.1.3 – DOK 1 N.2.1 – DOK 3 N.2.2 – DOK 3	5	Dec 16 – Dec 20

8th grade
Biology
Part 2

Biology Curriculum Pacing Guide, Semester 2

Quarter 3 (47 Days)						
Unit	Lesson Breakdown	Standards			Number of Days	Dates
		Priority	Essential	NOS		
*Two days in this quarter are reserved for the Semester Assessment.					2	
Unit 8: Origin of Life, Classification, Evolution & Natural Selection SCALE L.15.8 SCALE L.15.6 SCALE L.15.1 SCALE L.15.13	Chemical & Biological Evolution – 2 days History of Classification – 1 day Domains & Kingdoms – 4 days Cladograms & Phylogeny – 4 days Evolution – 5 days Natural Selection – 5 days Other mechanisms of evolutionary change – 5 days	L.15.8 – DOK 2 L.15.6 – DOK 2 L.15.1 – DOK 3 L.15.13 – DOK 2	L.15.4 – DOK 3 L.15.5 – DOK 3 L.15.10 – DOK 2 L.15.14 – DOK 2 L.15.15 – DOK 2	N.1.3 – DOK 1 N.1.4 – DOK 3 N.1.6 – DOK 2 N.2.1 – DOK 2 N.3.1 – DOK 3 N.3.4 – DOK 2	26	Jan 7 – Feb 14
Unit 9: Populations & Ecosystems SCALE L.17.5	Carrying Capacity (Graphs) – 4 days Population Distribution in Aquatic Systems – 2 days Biodiversity – 1 day Changes in Ecosystems – 3 days	L.17.5 – DOK 3	L.17.2 – DOK 3 L.17.4 – DOK 2 L.17.8 – DOK 3	N.1.4 – DOK 3	10	Feb 17 – Mar 3
Unit 10: Energy Flow SCALE L.17.9	Food Web – 2 days Trophic level & energy transfer – 3 days Carbon & Water Cycle – 4 days	L.17.9 – DOK 2	E.7.1 – DOK 3	N.1.3 – DOK 1 N.2.1 – DOK 3 N.2.2 – DOK 3	9	Mar 4 – Mar 14
Quarter 4 (47 days)						
*Three days are reserved for the Mock Assessment. (Review 1 day and Assess 2 days)					3	
Unit 11: Human Impact on the Environment SCALE L.17.20	Sustainability & Human Action – 1 day Renewable & Nonrenewable Resources – 1 day Policy Monitoring & Parameters – 2 days	L.17.20 – DOK 3	L.17.11 – DOK 3 L.17.13 – DOK 3	N.1.3 – DOK 1 N.3.5 – DOK 2	4	Mar 25 – Mar 28
Unit 12: Human Body Systems SCALE L.14.26 SCALE L.14.36 SCALE L.14.52 SCALE L.16.13	Brain Structure – 1 day Factors Affecting Blood Flow – 1 day Immune Response – 3 days Male reproduction – 1 day Female reproduction – 1 day Fetal Development – 2 days	L.14.26 – DOK 1 L.14.36 – DOK 2 L.14.52 – DOK 2 L.16.13 – DOK 2	L.14.6 – DOK 3	N.1.3 – DOK 1 N.3.5 – DOK 2	9	Mar 31 – Apr 15
EOC Review/EOC	Review standards should be based on data acquired through common assessments.				14	Apr 16 – May 6
Biology EOC	EOC (your site will determine the exact date)				1	May 2025
CSI/Dissections/Intro to Chemistry	Content taught during this time is at your discretion but should help students deepen their science knowledge.				16	May 2025