Week	Standard	Major Concept/Topic And content limitations	Possible Resources	Vocabulary	Spiral Review
Week1 8/10-8/14	NATURE OF SCIENCE SC.7.N.	Theory vs. law	Use states of matter as foundation for this unit	2. theory	Wk 1 Observation & Inference
Week 2 8/17-8/21	1.2	<ul> <li>Scientific</li> <li>knowledge</li> </ul>	for Nature of Science (states of matter, particles, etc.)	<ol> <li>aw</li> <li>experiment</li> <li>observation</li> </ol>	

## 7th Grade Science Curriculum Guide 2022-2023

Week 3 8/24-8/28     1.4 1.5 1.5 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7				1		
Week 3 8/24-8/28       1.5 1.6 1.6 1.7 2.1       • Experiment vs investigation 1.7 2.1       • Experiment vs investigation investigation 1.7 2.1       • Replication and repetition 3.2       • Replication and repetition 1.7 3.2       • Replication and repetition 1.7 3.2       • Replication and repetition 1.7 4. Analyzing data       • Chapter 1, lesson 2.00; Measurement 1.2b       9, control 9, control 10. Data       SC.687.N.1.1         Week 3 8/24-8/28       • Mekes 4 1.5       • Analyzing data       Method 1.5       1.6       Incer 1.1       Models 0.5       SC.687.N.1.1         Week 3 8/24-8/28       • Mekes 3 8/24-8/28       • Mekes 4 1.5       • Method 1.5       1.5       Vere 1.5       SC.687.N.1.1         Week 3 8/24-8/28       • Mekes 4 1.5       • Method 1.5       1.5       SC.687.N.1.2       SC.687.N.1.2         Week 3 8/24-8/28       • Mekes 4 1.5       • Method 1.5       1.5       SC.687.N.1.2       SC.687.N.1.2         Week 3 8/24-8/28       • Mekes 4 1.5       • Measurement 1.5       • Method 1.5       1.5       SC.687.N.1.2         Week 3 8/24-8/28       • Measurement 1.5         Week 3 8/24-8/28       • Measurement 1.5         Week 4       •						SC.6.N.3 (Specific
Week 3       8/24-8/28       Week 3       8/24-8/28       Berner to the second sec			with new evidence	Chapter 1, lesson 1		_
Week 3 8/24-8/28       1.0 1.7 2.1 3.1 3.2       Steps in solentific investigation 3.2       Me Pink (Lab Steps in solentific investigation 4. Capter 1, lesson 2 pc, 20.23, 24:25 Sci. 20.23, 24:25 Sci. 21.23, 24:25 Sci. 21.23, 24:25 Sci. 21.2			<ul> <li>Experiment v.s</li> </ul>			scientific knowledge)
1.7       • Steps in scientific investigation of investigation of analyzing data       Measurement Lab       9. control       Start with Week 2         3.1       • Replication and repetition       • Chapter 1, lesson 2 pg. 2425 Sci. Method       10. Data       Variables Part 1         3.2       • Models and limitations       • Analyzing data       Method       11. Model       SC.687.N.1.1         Week 3       • Analyzing data       • Models and limitations       • Analyzing data       Method       11. Model       SC.687.N.1.1         Week 3       • Analyzing data       • Models and limitations       • Analyzing data       Method       11. Model       SC.6.N.1.2         Week 3       • Analyzing data       • Models and limitations       • Analyzing data       Method       11. Model       SC.6.N.1.2         Week 3       • Circle graph       • Models and limitations       • Analyzing data       Precutisite review:       17. nonlinear       Repotition vs         • Week 3       • Model       • Measurement and toles       • SC.7.N.1.2       SC.7.N.1.2         Week 3       • Obleck Lab, - states of matter       • Sc.6.N.1.2 & N.1.4       SC.7.N.1.2         • Week 3       • Sc.6.N.1.2       • Sc.6.N.1.2       • Sc.6.N.1.2       • Sc.6.N.1.4         • Veek 3       • Sc.6.N.1.4       Sc.7.N.1.2<		1.6	investigation			
2.1       investigation       • Replication and repetition       • Chapter 1, lesson 2 pr. 20-23, 24-25 Sci.       11. Model       SC.687.N.1.1         3.2       • Method imitations       • Analyzing data       • Method Wagazine Sci. Method Variable Practice       11. Model       SC.687.N.1.1         • Analyzing data       • Analyzing data       • Method Wagazine Sci. Method Variable Practice       10. Data       Variables Part 1         • Method Wagazine Sci. Method Variable Practice       • Method Variable Practice       11. Model       SC.687.N.1.1         • Magazine Sci. Method Variable Practice       • Magazine Sci. Method Variable Practice       10. Line graph       13. Line graph         10. Line Graph       • Magazine Sci. Method Variable Practice       • Method Variable Practice       10. Line Graph       Repetition vs         11. Model       • Scientific       • Method       • Magazine Sci. Method       11. Model       Scientific         12. Bar graph       • Magazine Sci. Method       • Magazine Sci. Method       11. Model       Scientific       Scientific         13. Line graph       • Magazine Sci. Method       • Magazine Sci. Method       11. Model       Scientific         14. Circle Scientific       • Mathod       • Mathod       • Mathod       Scientific       Scientific         14. Circle Scientific       • Mathod		1.7	<ul> <li>Steps in scientific</li> </ul>			Start with Week 2
Week 3       3.1       • Repitation and repittion       Chapter 1, lesson 2 pg. 202, 24.25 Sci. Method limitations       11. Model       SC.687.N.1.1         Week 3       Models and limitations       • Analyzing data       During weeks 1-2, participate in scientific investigation to teach lab safety, procedures, data collection, analysis, etc. Chapter 1, lesson 3 pg 33-39       No.4       No.4       SC.687.N.1.1         Week 3       8/24-8/28       Prerequisite review: Inference vs.observation qualitative vs. qualitative vs. qualitative vs. Science bob li. Scientific American       Science bob li. Scientific American       Science bob li. Scientific American         Florida Coach Book pp 12-42:       Lesson 1- Scientific       Florida Coach Book pp 12-42:       Lesson 1- Scientific		2.1	investigation			Variables Part 1
3.2       repetition Models and limitations       20-23, 24-25 Sci. Models and limitations       12. Bar graph 13. Line graph 14. Circle graph 15. Outlier       Week 3         Week 3       Analyzing data       During weeks 1-2, participate in scientific investigation to teach lab safety, procedures, data collection, analysis, etc. Chapter 1, lesson 3 pg 33-39       The mean safety, procedures, data collection, analysis, etc. Chapter 1, lesson 3 pg 33-39       Week 3         Week 3       Proreguisite review: Inference vs observation qualitative vs. qualitative vs. qualitative vs. qualitative vs. qualitative vs. qualitative s. qualitative s.       Nue k 3         Obselve Lab, states of matter 1. Science bob II. Scientific American       Florida Coach Book pp 12-42: Lesson 1- Scientific       Here the second science bob		3.1	<ul> <li>Replication and</li> </ul>	Chapter 1, lesson 2 pg.	11. Model	SC.6&7.N.1.1
Week 3         8/24-8/28         Week 3         8/24-8/28             Models and limitations         • Analyzing data             During weeks 1-2, participate in scientific limitestigation to teach liab safety, procedures, data collection, analysis, etc. Chapter 1, lesson 3 pg 33-39             Models and university of the second se		3.2	repetition		12. Bar graph	
Week 3       8/24-8/28       14. Circle graph         Week 3       23-39         Atomic Theory Model       14. Circle graph         Week 3       8/24-8/28         Week 3       8/24-8/28			<ul> <li>Models and</li> </ul>			
Week 3       8/24-8/28       • Analyzing data       Variable Practice       15. Outlier       Reptication vs         Week 3       Buring weeks 1-2, participate in scientific investigation to teach lab safety, procedures, data collection, analysis, etc.       17. nonlinear       Reptication SC 6. N. 1.2 & N. 1.4         Chapter 1, lesson 3 pg 33-39       Atomic Theory Model       17. nonlinear       Sc.7. N. 1.2         Week 3       8/24-8/28       Prereguisite review: Inference vs. observation qualitative vs. qualitative s. Gobien et al. Science bob       18. Science bob       18. Cutlier       Neek 3         Neek 1       Scientific American       Florida Coach Book pp 12-42:       19. Scientific       19. Scientific       19. Scientific			limitations			
Week 3       8/24-8/28       17. nonlinear       Replication         Size 3       Size 1       Size 1       Size 1       Size 1         Week 3       Bit Safety, procedures, data collection, analysis, etc.       Chapter 1, lesson 3 pg       Size 3       Size 1         Week 3       Bit Safety, procedures, data collection, analysis, etc.       Inference       Size 1       Size 1         Week 3       Bit Size 1       Inference       vs. observation       gualitative vs.       Gualitativs.       Gualitative vs.       Gualitative vs. </td <td></td> <td></td> <td><ul> <li>Analyzing data</li> </ul></td> <td>Variable Practice</td> <td>•</td> <td>Week 3</td>			<ul> <li>Analyzing data</li> </ul>	Variable Practice	•	Week 3
Week 3       8/24-8/28       Prerequisite review:       17. nonlinear       Replication         SC.6.N.12 & N.1.4       SC.6.N.12 & N.1.4       SC.6.N.12 & N.1.4         Week 3       8/24-8/28       SC.6.N.12 & N.1.4       SC.7.N.1.2         Week 3       8/24-8/28       Prerequisite review:       SC.6.N.12 & N.1.4         Week 3       8/24-8/28       SC.6.N.12 & N.1.4       SC.7.N.1.2         Week 3       8/24-8/28       Prerequisite review:       SC.6.N.1.2         Inference       Vs. observation       Qualitative vs.       SC.6.N.1.2         Qualitative       Accuracy and precision       (brainpop)       Measurement and tools         Obsteck Lab, states of matter       I. Scientific American       SC.6.N.12       SC.6.N.12         I. Scientific Coach Book pp 12-42:       Lesson 1- Scientific       SC.6.N.12       SC.6.N.12				During weeks 1-2	16. Linear	Repetition vs
Week 3       SC.6.N.1.2 & N.1.4         8/24-8/28       SC.6.N.1.2 & N.1.4         Week 3       Chapter 1, lesson 3 pg         8/24-8/28       Prerequisite review: Inference vs.observation qualitative vs. qualitative vs. qualitative Accuracy and precision (brainpop) mean (average) Measurement and tools       SC.6.N.1.2 & N.1.4         Oobleck Lab, states of matter       I.5. Science bob II. Science bob II. Scientific American       SC.6.N.1.2 & N.1.4					17. nonlinear	Replication
Week 3       SC.7.N.1.2         Week 3       SZ.7.N.1.2         B/24-8/28       Prerequisite review: Inference vs.observation qualitative vs. qualitative vs. qualitative indexerage)       SC.7.N.1.2         Object Lab, states of matter       I. Science bob       II. Science bob         II. Scientific American       Forda Coach Book pp 12-42: Lesson 1- Scientific       SC.7.N.1.2						SC.6.N.1.2 & N.1.4
Week 3 8/24-8/28 Week 3 8/24-8/28 Freequisite review: Inference vs.observation qualitative vs. qualitative vs. qualitative vs. qualitative of the states of matter i. Science bob ii. Scientific American ii. Scientific Coach Book pp 12-42: Lesson 1- Scientific						SC.7.N.1.2
Week 3       8/24-8/28         Week 3       8/24-8/28         Prerequisite review:       Inference         Inference       vs.observation         qualitative vs.       qualitative         Accuracy and precision       (brainpop)         mean(average)       Measurement and tools         Obleck Lab states of       matter         i. Scientific American       Florida Coach Book pp         12-42:       Lesson 1- Scientific						
Week 3         8/24-8/28         Prerequisite review:         Inference         vs.observation         qualitative vs.         qualitative         Accuracy and precision         (brainpop)         mean(average)         Measurement and tools         Obleck Lab, states of         matter         i. Scientific American         Florida Coach Book pp         12-42:         Lesson 1- Scientific						
Week 3       Atomic Theory Model         8/24-8/28       Prerequisite review:         Inference       vs.observation         qualitative vs.       qualitative vs.         qualitative vs.       qualitative vs.         qualitative vs.       qualitative         Measurement and tools       Oobleck Lab states of         Matter       i. Scientific American         Ii. Scientific American       Florida Coach Book pp         12-42:       Lesson 1- Scientific						
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vs.observation       qualitative vs.         qualitative       qualitative         Accuracy and precision       (brainpop)         mean(average)       Measurement and tools         Oobleck Lab states of       matter         i. Science bob       li. Scientific American         Florida Coach Book pp       12-42:         Lesson 1- Scientific       Lesson 1- Scientific	0/24-0/20			Prerequisite review:		
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li. <u>Scientific American</u> Florida Coach Book pp 12-42: Lesson 1- Scientific						
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12-42: Lesson 1- Scientific				Florido Cooch Deelers		
Lesson 1- Scientific						
Investigation						
Investigation				Investigation		

Week 4 8/31-9/4	SC.7.N.1.1 N.1.2	Performing a scientific investigation	Labs (Possibilities) Variable Practice **Density Liquid Layers Demo Lab (Hypothesis, Group Interaction, Sci.Method) Graduated Cylinder Lab Science Experiment Probe	<ol> <li>Repetition</li> <li>Replication</li> <li>Control</li> <li>Independent variable</li> <li>Dependent variable</li> <li>Procedure</li> <li>Data analysis</li> <li>conclusion</li> </ol>	Week 4 Spiral Review Spheres of the Earth SC.6.E.7.4 *geosphere *cryosphere *hydropshere *atmosphere *biosphere
Week 5 9/8-9/11	EARTH SCIENCE *SC.6.E.7.4. SC.7.E 6.2 **Weathering & Erosion along with Human Impact **Spheres of the Earth from 6th Grade	<ul> <li>Identifying/Interactions among the geosphere, hydrosphere, cryosphere, atmosphere, biosphere</li> <li>Weathering, erosion, deposition</li> <li>Classes of rocks and how they are formed</li> <li>Rock Cycle</li> </ul>	Prerequisite knowledge: Unit 2, lesson 1 as background review on minerals and properties Sciencesaurus pg. 179 (through HMH:ED) Brainpop topics: Weathering Erosion Rock cycle Types of rocks Unit 2, lesson 2 Florida Coach, Lesson 8 - The rock Cycle	<ol> <li>Weathering</li> <li>Erosion</li> <li>Deposition</li> <li>Igneous</li> <li>Metamorphic</li> <li>Sedimentary</li> <li>Rock cycle</li> </ol>	Week 5 Spiral Review Contact & Noncontact Forces from 6th SC.6.P.13.1 (Connect to Wegener not being able to explain the forces moving the continents; Integrate forces also into lessons on plate movements & earthquakes/volcanoes)
Week 6 9/14-9/18 Week 7 9/21-9/24	**6th Grade Standards of Contact and Noncontact Forces & Net Forces 6.1 6.2	<ul> <li>Plate tectonics</li> <li>Pangea</li> <li>Mountain building</li> <li>(Earth changes slowly)</li> </ul>	<u>Unit 2, lesson 3</u> -See Content Limits for Layers <u>Unit 2, lesson 4</u>	<ol> <li>Crust</li> <li>Mantle</li> <li>Core</li> <li>Convection</li> <li>Lithosphere</li> </ol>	Week 6 Spiral Review Net Forces 6th SC.6.P.13.1 Week 7 Spiral Review

		End of 1s			
Week 9 10/5-10/9	FLEX WEEK				Week 9 Theory vs Law SC.6 & 7.N.3.1
Week 8 9/28-10/2	6.5 6.7	Earthquakes Volcanoes How Earth can change quickly Content Limits: will not assess types of volcanoes, but will assess causes of volcano formation at Plate Boundaries Will not assess types of earthquake waves, they happen at boundaries	Unit 2, lesson 6 Unit 2, lesson 7 Pg. 175-178 FORMATION Florida Coach, lesson 7 - Plate Tectonics and Earth's Changing Surface Brainpop topics: Earthquakes Volcanoes	<ol> <li>Earthquake</li> <li>Divergent boundary</li> <li>Convergent boundary</li> <li>Transform boundary</li> <li>Volcano</li> <li>Magma</li> <li>Lava</li> <li>Vent</li> <li>Hot spot</li> </ol>	Week 8 Spiral Review Data Analysis SC.6&7.N.1.1 **Also review graphing fo the lab to use as model**
	6.5 6.7	Content Limits: Earth's Layers limited to crust, lithosphere, hot convecting mantle, liquid outer core, and solid inner core, density of layers Plate Tectonics: Types of movement, rocks forming along subduction, hotspots, types of mountain building, trench, mid-oceanic ridges, basins	Unit 2, lesson 5 Folding and Faulting Pg. 149-153 Brainpop topics: Plate tectonics Earth's Structure Mountains Florida Coach, lesson 6 - Earth's Structure Florida Coach, lesson 7 - Plate Tectonics and Earth's Changing Surface	<ol> <li>Asthenosphere</li> <li>Mesosphere</li> <li>Pangea</li> <li>Plate tectonics</li> <li>Faulting</li> <li>folding</li> <li>Deformation</li> <li>Intrusion</li> </ol>	Variables Part 2

		Geologic changes over	Unit 3, lesson 1,	1. Fossil	
		time	Unit 3, lesson 2	2. Trace fossil	Week 10 Spiral Review
		Fossils	Unit 3, lesson 3	3. Climate	Nature of Science
		Relative dating	,	4. Half life	Review & Nature of
		Absolute dating	Florida Coach, lesson 9	5. Relative dating	Science Review 2
			- Evidence of Earth's	6. Absolute dating	SC.N.1.1.1
		Content Limits:	History	7. Law of	
		Do not need to recognize		Superposition	
		specific organisms	Brainpop topics:	8. Tilting	
			<u>Fossils</u>	9. Folding	
			Geologic Time	10. Unconformity	
Week 10	6.3	fossils to be made (pg. 196	Carbon Dating	11. Index Fossils	
10/12-10/16	6.4	top), what can fossils tell	Labs	(Background of	
		us (pg. 198)	Relative Dating	rock layers for	
			(Pennies and Graphing)	relative age	
		No calculation of half life		models)	
			<u>Resources</u>		Week 11Spiral Review
			Nova- Fossils (teacher		•
		specific eras, periods	present)		Rock Types SC.7.E.6.2
		(geologic time)	https://www.pbs.org/wg bh/nova/evolution/fossil		3C.7.E.0.2
			-evidence.html		

Week 11 10/19-10/23					
Week 12 10/26-10/30	L.15.1 L.15.2 L.15.3	Theory of Evolution Natural Selection Content Limits NO speciation, genetic drift, gene pools NO hominid evolution	Unit 7, lesson 1 Unit 7, lesson 2 Florida Coach, lesson 15 - The Theory of Evolution Brainpop Topics: Natural selection Genetic mutation Labs Evolution Lab Natural Selection Lab	<ol> <li>Evolution</li> <li>Artificial selection</li> <li>Natural selection</li> <li>Genetic Variation</li> <li>Gutation</li> <li>Adaptation</li> <li>Environmental Factors</li> <li>Extinction</li> <li>Fossil record</li> <li>Common (homologous) structure</li> <li>Common ancestor</li> </ol>	Week 12 Spiral Review Plate Tectonics SC.7.E.6.1 & SC.7.E.6.5
Week 13 11/2-11/6 Week 14 11/9-11/13	LIFE SCIENCE SC.7.L.16.3	**Prerequisite review on 6th grade cell parts/functions, cell theory	Unit 8, Lesson 1 Unit 8, Lesson 2 Unit 8, Lesson 3 Amoeba Sisters Mitosis	<ol> <li>DNA</li> <li>Chromosomes</li> <li>Cell cycle</li> <li>Mitosis</li> </ol>	Florida Coach GRADE 6 INVESTIGATION pgs. 174-179: Investigation 2 - Examining Cells

		Mitosis Meiosis Sexual and asexual reproduction (advantages and disadvantages) Content Limitation: knowledge of the phases/stages of mitosis and meiosis is not assessed. WILL NOT ASSESS haploid, diploid	https://www.youtube.com/ watch?v=f-ldPgEfAHI Amoeba Sisters Meiosis https://www.youtube.com/ watch?v=VzDMG7ke69g Amoeba Sisters Worksheets https://www.amoebasister s.com/handouts.html Florida Coach, lesson 18 - Asexual and Sexual Reproduction Brainpop Topics: <u>Mitosis</u> cells	<ol> <li>Meiosis</li> <li>Asexual reproduction</li> <li>Sexual reproduction</li> <li>Fertilization</li> <li>Cell Theory</li> <li>Prokaryotic</li> <li>Eukaryotic</li> </ol>	Week 13 Spiral Review Evolution Evolution SC.7.L.15.2 Week 14 Spiral Review Spiral Review Cells SC.6.L.14.4
Week 15 11/16-11/20	L.16.1	Heredity	Unit 8, lesson 4 Florida Coach, lesson 16 - Heredity Brainpop Topics: Heredity Genetics Study Jams: Heredity http://studyjams.schol astic.com/studyjams/j ams/science/human- body/heredity.htm	<ol> <li>Heredity</li> <li>Traits</li> <li>Dominant</li> <li>Recessive</li> <li>Heterozygous</li> <li>homozygous</li> <li>Genes</li> <li>Alleles</li> <li>Genotype</li> <li>Phenotype</li> </ol>	Week 15Spiral Review Cells & Organization of Living Things SC.6.L.14.4
Week 16 11/23-11/25	L.16.2	Punnett squares and pedigrees	<u>Unit 8, lesson 5</u> <u>Florida Coach, lesson</u> <u>17 - Using Punnett</u> <u>Squares</u>	<ol> <li>Punnett Square</li> <li>Probability</li> <li>Ratio</li> <li>pedigree</li> </ol>	Week 16Spiral Review Cells & Organization of Living Things SC.6.L.14.4
Week 17 11/30-12/4	L.17.1	Intro to ecology	Unit 10, lesson 1 Unit 10, lesson 2	<ol> <li>Ecology</li> <li>Biotic factor</li> </ol>	Week 17 Spiral Review

**Week 18** 12/7-12/11 12/14-18 Holiday Time!		Roles in Energy Transfer	Florida Coach, lesson 20 -The Flow of Energy in an Ecosystem Florida Coach INVESTIGATION pgs. 150-156: Investigation 2 - Describing a Food Web BrainpopTopics: Food chains Energy pyramids	<ol> <li>Abiotic factor</li> <li>Population</li> <li>Species</li> <li>Tertiary Consumer</li> <li>Ecosystem</li> <li>Secondary Consumer</li> <li>Primary Consumer</li> <li>Primary Consumer</li> <li>Habitat</li> <li>Producer</li> <li>Decomposer</li> <li>Consumer</li> <li>Consumer</li> <li>Consumer</li> <li>Consumer</li> <li>Food chain</li> <li>Food web</li> </ol>	Week 18 Spiral Review Earth's History
End of 2nd Quarter					
Week 19 1/5-1/8	L.17.2	Interaction in Communities Symbiosis	Unit 10, lesson 3 <u>Florida Coach, lesson</u> <u>21 - Relationships</u> <u>among Organisms</u> <u>BrainpopTopics:</u> <u>Symbiosis</u>	<ol> <li>Predator</li> <li>Prey</li> <li>Symbiosis</li> <li>Mutualism</li> <li>Commensalism</li> <li>Parasitism</li> <li>competition</li> </ol>	Week 19 Spiral Review Energy Transformation in Ecosystems
Week 20 1/11-1/15	L.17.3	Florida's Ecosystems	Unit 10, lesson 4 <u>Florida Coach, lesson</u> 22 - Limiting Factors in <u>Ecosystems</u>	<ol> <li>Limiting factor</li> <li>Native species</li> <li>Introduced species</li> <li>Wetland</li> <li>Coral reef</li> </ol>	Week 20 Spiral Review Earth's Landforms

		Human Impact -	BrainpopTopics: Ecosystems Unit 4, lessons 1-4	<ol> <li>estuary</li> <li>1. Natural resource</li> </ol>	Week 21 Spiral Review Layers of the
Week 21 1/18-1/22	6.6	deforestation, urbanization, desertification, erosion, air and water quality, changing the flow of water	Florida Coach, lesson 10 - The Impact of Humans on Earth Brainpop topics: Humans and the Environment	<ol> <li>Renewable resource</li> <li>Nonrenewable resource</li> <li>Fossil fuel</li> <li>Urbanization</li> <li>Desertification</li> <li>Deforestation</li> <li>Point-source pollution</li> <li>Nonpoint-source pollution</li> <li>Thermal pollution</li> <li>Thermal pollution</li> <li>Eutrophication</li> <li>Reservoir</li> <li>Greenhouse effect</li> <li>Particulate</li> <li>Smog</li> <li>Acid precipitation</li> </ol>	Atmosphere

Week 22 1/25- 1/29	SC.7.P.10.1	WavesElectromagneticspectrumInteractions in lightCorrelation ofwavelength,frequency andenergy level withwavesOrder offrequenciesWave speedthrough states ofmatterContent LimitsWILL NOT ASSESS:Color and wavelength	Unit 5, lesson 1 (skip longitudinal and transverse waves) Unit 5, lesson 2 (skip calculations) Unit 5, lesson 3 Unit 5, lesson 4 Florida Coach, lesson 11 -Waves and Electromagnetic Energy Florida Coach, lesson 12 - The Behavior of Light Florida Coach INVESTIGATION pgs. 142-147: Investigation 1 - Exploring Light	<ol> <li>Frequency</li> <li>Wavelength</li> <li>Wave</li> <li>Amplitude</li> <li>Electromagnetic wave</li> <li>Reflection</li> <li>Refraction</li> <li>Absorption</li> <li>Radiation</li> <li>Electromagnetic spectrum</li> <li>Infrared</li> <li>Ultraviolet</li> <li>Transparent</li> <li>Translucent</li> <li>Opaque</li> <li>Absorption</li> </ol>	Week 22 Spiral Review Earth's Spheres
Week 23 2/1-2/5		EM waves in a vacuum NO Calculations!!	Interactions and Energy Transformations Brainpop topics: Waves	17. Reflection 18. Refraction	Week 23 Spiral Review: Symbiotic Relationships
Week 24 2/8-2/12			Electromagnetic spectrum Light Study Jams: Light absorption, reflection, refraction http://studyjams.schola stic.com/studyjams/jam s/science/energy-light- sound/light-absorb- reflect-refract.htm		Week 24 Spiral Review Asexual and Sexual Reproductions SC.7.L.16.3.
Week 25 2/15-2/19	P. 11.2 P. 11.3	<ul> <li>Energy and Heat</li> <li>Forms of energy</li> <li>Energy conversion and conservation</li> <li>Temperature</li> </ul>	<u>Florida Coach, lesson</u>	<ol> <li>Energy transformation</li> <li>Law of conservation of energy</li> </ol>	Week 25 Spiral Review Genetics I SC.7 L.16.1, L.16.2.
Week 26-27 2/22-2/26		<ul> <li>Thermal energy and heat</li> </ul>	<u>13 - Heat, Temperature,</u> and Changes of State	<ol> <li>Temperature</li> <li>Degree</li> </ol>	Week 26 Spiral Review Punnett Squares

Week 28 3/1-3/5		<ul> <li>Conduction, convection, radiation</li> <li>Particle motion/temperatur e</li> <li>Difference between potential and kinetic energy</li> <li>Examples of Law of Conservation of Energy</li> <li>Temperature in Celsius</li> <li>Content Limits: WILL NOT ASSESS Nuclear energy</li> <li>Maximum of 5 Energy</li> <li>Transformations</li> <li>NO CALCULATIONS</li> <li>NO chemical Changes</li> <li>NO conductors &amp; insulators</li> </ul>	Florida Coach, lesson 14 - Transformations of Energy Brainpop topics: Forms of Energy Study Jams: Energy and Matter http://studyjams.schola stic.com/studyjams/jam s/science/matter/energy -and-matter.htm Heat http://studyjams.schola stic.com/studyjams/jam s/science/energy-light- sound/heat.htm	<ol> <li>Thermometer</li> <li>Celcius</li> <li>Thermal energy</li> <li>heat</li> <li>Conduction</li> <li>Conductor</li> <li>Insulator</li> <li>Convection</li> <li>Radiation</li> <li>Specific Heat</li> <li>Convection</li> <li>Convection</li> <li>Radiation</li> <li>Specific Heat</li> <li>Convection</li> <li>Radiation</li> </ol>	SC.7 L.16.1 Week 27 Spiral Review Homeostasis SC.7.L.14.3. Week 28 Spiral Review Human Impact SC.6.E.6.6. Week 29 Spiral Review Plate Tectonics II SC.7.E.6.2.
Week 29 3/8-3/11	SC.6.L.15.1	Classification of Living Things The Linnaean System/Domains Note: This can be integrated into a Flex week and/or during evolution topic <u>Classification BrainPOP</u> <u>Kingdoms BrainPOP</u>	6th HMH Book Unit 6 Lesson 6 Classification of Living Things Kingdoms of Life <u>http://studyjams.scholasti</u> <u>c.com/studyjams/jams/sci</u> <u>ence/animals/kingdoms- of-life.htm</u>	<ol> <li>Domain</li> <li>Bacteria</li> <li>Archaea</li> <li>Eukarya</li> <li>Animalia</li> <li>Plantae</li> <li>Protista</li> <li>Fungi</li> <li>genus</li> <li>species</li> </ol>	

			BrainpopTopics: Kingdoms Classification		
End of 3rd Quarter, 3/11					
Week 30 3/22-3/26	SC.6.L.14.1 Sc.6.L.14.6	Body Systems Homeostasis Infectious Agents	6th HMH Book Unit 7 Lessons 1-6 & page 558 The Human Body <u>http://studyjams.scholasti</u> <u>c.com/studyjams/jams/sci</u> <u>ence/index.htm</u> <u>BrainpopTopics:</u> Body Systems Homeostasis	<ol> <li>Homeostasis</li> <li>Musculoskeletal system</li> <li>Cardiovascular system (circulatory)</li> <li>Lymphatic System (Immune)</li> <li>Respiratory System</li> <li>Reproductive System</li> <li>Reproductive System</li> <li>Reproductive System</li> <li>Reproductive System</li> <li>Reproductive System</li> <li>Reproductive System</li> <li>Revous System</li> </ol>	Week 30 Spiral Review Variables III SC.6&7.N.1.1
Week 31 3/29-4/2				1.	Week 31 Spiral Review Variables III SC.6&7.N.1.1
Week 32 4/5-4/9				1.	Week 32 Spiral Review Nature of Sci. III SC.N.1.1.1
Week 33 4/12-4/16				1.	Week 33 Spiral Review States of Matter SC.7.P.11.2, 11.3.
Week 34 4/19-4/22	FLEX WEEK	FLEX WEEK	FLEX WEEK	FLEX WEEK	Week 34 Spiral Review Mixed Review Energy FLEX WEEK
Week 35 4/26-4/30	FLEX WEEK	FLEX WEEK	FLEX WEEK	FLEX WEEK	Week 35 Spiral Review Density FLEX WEEK

Week 36 5/2-5/6	TEOC Review FSA Testing	Week 36 Spiral Review Waves SC.7.P.10.1.
Week 37 5/9-5/13	TEOC FSA Testing	Week 37 Spiral Review **Review Topic As Needed**
Week 38 5/16-5/20	Last FULL Week of School	Week 38 Spiral Review **Review Topics As Needed**
Week 39 5/23-5/27		