6th Grade School Year at a Glance

Suggested Time Frame				
1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks	
<u>Lab Safety</u>				
Nature of Science SC.6.N.1.1- Scientific Investigation SC.6.N.1.2- Repetition/Replication SC.6.N.1.3-Scientific explanation in other field SC.6.N.1.4-Comparing Results SC.6.N.1.5-Creativity SC.6.N.2.1- Distinguishing Science SC.6.N.2.1- Distinguishing Science SC.6.N.2.2- Durable knowledge SC.6.N.3.1- Theories / law SC.6.N.3.2 - Scientific Law SC.6.N.3.3- Examples of Scientific Laws SC.6.N.3.4- Models Topic #7 Living Things in the Biosphere SC.6.L.14.6-Types of infectious agents SC.6.L.15.1- Classifying organisms * SC.6.N.1.1- Scientific Investigation	Topic #8 Cells & Cell Systems SC.6.L.14.1- Hierarchical Organization SC.6.L.14.2- Cell Theory SC.6.L.14.3- Cell Processes SC.6.L.14.3- Cell Processes SC.6.L.14.3- Cell Processes SC.6.L.14.3- Cell Processes SC.6.L.14.5-Body Systems *SC.6.N.1.1- Scientific Investigation *SC.6.N.3.4- Models Topic #3 Introduction to Earth Systems SC.6.E.6.2- Different Landforms SC.6.E.7.4- Interactions among systems *SC.6.N.1.1- Scientific Investigations *SC.6.N.3.4- Models Topic #6 Earth's Surface Systems SC.6.E.6.1-Earth's Surface built up/torn down *SC.6.N.1.1 Scientific Investigation *SC.6.N.1.1 Scientific Investigation *SC.6.N.1.1 Scientific Investigation *SC.6.N.1.1 Scientific Investigation *SC.6.N.3.4-Models	Topic #4 Energy in the Atmosphere & Ocean SC.6.E.7.1- 3 types of Heat Transfer SC.6.E.7.3-Global Patterns influence weather SC.6.E.7.5- Sun Influences global patterns SC.6.E.7.8-Hazardous Weather SC.6.E.7.9-Composition and Structure of the Atmosphere *SC.6.N.1.1-Scientific Investigations *SC.6.N.1.5- Creativity in Science *SC.6.E.N.3.4- Models Topic #5 Weather & Climate SC.6.E.7.3-Global Patterns influence weather C.6.E.7.3-Global Patterns influence weather SC.6.E.7.3-Global Patterns influence weather SC.6.E.7.6-Differentiate weather/climate SC.6.E.7.7-Natural Disasters SC.6.E.7.8- Protect Hazardous Weather *SC.6.N.1.1- Scientific Investigations *SC.6.N.1.1- Scientific Investigations *SC.6.N.1.4- Comparing Results *SC.6.N.1.4- Comparing Results	Topic #1 Energy SC.6.P 11.1- Law of Conservation of energy *SC.6.N.1.1- Scientific Investigation *SC.6.N.1.1- Scientific Investigation *SC.6.N.3.4- Models Topic #2 Forces & Motion SC.6.P.13.1-Investigate forces SC.6.P.13.2- Law of Gravity SC.6.P.13.3-Unbalanced forces SC.6.P.12.1- Measure/Graph distance vs. time *SC.6.N.3.2- Scientific Law *SC.6.N.3.3- Examples of Laws	
**Start Topic #8 in the first 9 weeks. *6 Weeks total		*SC.6.N.2.3-Various Backgrounds *SC.6.N.3.4-Models	Concerns	

7th Grade Year at a Glance

*Nature of Science Standards embedded throughout the year

Bold = Parent Standards based on FLDOE Item Specs

8th Grade Year at a Glance

Suggested Time Frame					
1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks		
Lab Safety	Topic 2: Solar System and the Universe (cont. from 1 st 9 weeks)	<u>Topic 5</u> Atoms and the Periodic Table	<u>Topic 7</u> Organisms, Energy, and Matter		
Nature of Science		SC.8.P.8.7- Atomic Theory (subatomic)	SC.L.18.1 - Photosynthesis		
SC.8.N.1.1- Scientific method		SC.8.P.8.5- Elements	SC.L.18.2 - Cellular Respiration		
SC.8.N.1.2- Repetition/Replication	Topic 3	SC.8.P.8.8- Properties of Compounds	SC.L.18.3 - Carbon Cycle		
SC.8.N.1.3- Scientific vocabulary	Intro to Matter	SC.8.P.8.9- Mixtures/Substance	SC.L.18.4 - Law of Conservation of Matter		
SC.8.N.1.4- Hypotheses	SC.8.P.8.2- Weight vs Mass	*SC.8.N.3.2- Theories- modified	and Energy		
SC.8.N.1.5-Scientific explanation in	SC.8.P.8.3- Density	*SC.7.N.2.1 - New evidence			
other fields	SC.8.P.8.4- Physical Properties	SC.8.P.8.6- Periodic tables			
SC.8.N.1.6- Scientific investigation	*SC.7.N.3.2 - Scientific models	*SC.6.N.3.1- Theories			
SC.8.N.2.1- Pseudoscience	*SC.7.N.1.6- Empirical evidence		FCAT Benchmark Review		
SC.8.N.2.2- Durable knowledge	SC.8.P.9.1- Law of Conservation of Mass		Earth & Space Standards		
SC.8.N.3.1- Theories / law	SC.8.P.9.2- Physical/ Chemical Change		Life Science Standards		
SC.8.N.3.2- Modified theories	SC.8.P.9.3 - Temp/ chemical change		Physical Science Standards		
	*SC.8.N.1.6- Scientific investigations		Nature of Science Standards		
Topic 1	*SC.7.N.1.7- Debate & confirmation				
Farth-Sun-Moon System		<u>Topic 6</u>	End of the Year Project/Cumulative		
SC.8.E.5.4 - Law of Universal Gravitation		Chemical Reactions	Review		
SC.8.E.5.8 - Heliocentric/Geocentric		SC.8.P.8.4 - Physical Properties of Matter			
Models of Solar System	Topic 4	SC.8.P.8.9 - Solutions and Pure Substances			
SC.8.E.5.9 - Impact of Objects in Space	Solids, Liquids, and Gases	SC.8.P.9.1 - Law of Conservation of Mass	Human Growth and Development		
I I I I I I I I I I I I I I I I I I I	SC.8.P.8.1 - Atomic Theory/solid, liquids,	SC.8.P.9.2 - Physical and Chemical Changes	HE.8.C.1.2		
Topic 2	and gases	SC.8.P.9.3 - Temperature and Chemical	HE.8.C.1.4		
Solar System and the Universe	SC.8.P.8.4 - Physical Properties of Matter	Changes			
(cont. 2 nd 9 weeks)		*SC.8.N.4.2- Politics, society, economy	**Progress Monitoring/Final Exam**		
SC.8.E.5.1 - Distances in Space		and science	8 8		
SC.8.E.5.2 - Galaxies					
SC.8.E.5.3 - Relationship among					
astronomical bodies	**Progress Monitoring/Mid Term				
SC.8.E.5.4 - Law of Universal Gravitation	Exam**				
SC.8.E.5.5 - Properties of Stars					
SC.8.E.5.6 - Solar Properties					
SC.8.E.5.7 - Properties of the Solar System					
SC.8.E.5.10 - Technology in Science					
SC.8.E.5.11 - Electromagnetic Spectrum					
SC.8.E.5.12- Space exploration & Florida					
*SC.8.N.4.1 - Science for decision					
making					

*Nature of Science Standards embedded throughout the year

Bold and Italicized= Parent Standards based on FLDOE Item Specs