5th Grade Science Pacing Calendar Fort Smith School District 2011-2012

August	September	October	November	December
17 NS Skills	1 TLI Math (3-6) SAME	3 PS.7.5.1 + PS.7.5.2 Summarize how light interacts with matter and investigate how light travels and interacts with an object	1 SAME	1 ESS.8.5.5 + ESS.8.5.6 Identify minerals and Identify minerals found in Arkansas
18 NS Skills	2 TLI Math (3-6) PS.5.5.7 Demonstrate effect of changes in physical properties of matter	4 PS.7.5.3 Conduct investigations demonstrating how an object can be seen	2 ESS.8.5.13 Describe and Illustrate the rock cycle	2 SAME
19 NS Skills	6 SAME	5 SAME	3 SAME	5 ESS.9.5.1, ESS.9.5.2, ESS.9.5.3 Fossils
22 PS.5.5.1 Identify relationship of atoms to all matter	7 PS.5.5.8 Model the motion and position of molecules in liquids, solids, and gases	6 PS.7.5.4 Design and conduct investigations of transparent, translucent, and opaque	4 ESS.8.5.1 Identify basic elements composing minerals	6 SAME
23 PS.5.5.2 + PS.5.5.3 Identify and conduct investigations on physical properties	8 SAME	7 SAME	7 SAME	7 SAME
24 SAME	9 PS.5.5.9 Conduct investigations demonstrating expansion and contraction	10 PS.7.5.5 Investigate physical interactions of light and matter	8 SAME	8 SAME
25 SAME	12 SAME	11 TLI Lit (R 3-6 W 3-6) SAME	9 ESS.8.5.2 Investigate Growth of Crystals	9 SAME
26 PS.5.5.4 + PS.5.5.5 Physical Changes	13 PS.6.5.1 Classify simple machines	12 TLI Math (3-6) REVIEW	10 SAME	12 Review for Science TLI
29 SAME	14 SAME	13 TLI Science (3-6)	11 SAME	13 TLI Lit (R 3-6 W K-6)
30 SAME	15 PS.6.5.2 Conduct investigation using simple machines	14 End of First Quarter	14 ESS.8.5.3 + ESS.8.5.4 Identify characteristics of minerals and conduct investigations on mineral properties	14 TLI Math (3-6)
31 PS.5.5.6 Explain how heat influences states of matter	16 SAME	17 Review of concepts or Begin 2nd Quarter SLEs	15 SAME	15 TLI Science (3-6)
	19 SAME	18 P/T Conferences SAME	16 SAME	16
	20 PS.6.5.3 Relate simple machines to inventions and discoveries	19 SAME	17 SAME	19
	21 PS.6.5.4 + PS.6.5.5 Compare and contrast potential and kinetic energy and classify real world examples as PE or KE	20 P/T Conferences SAME	18 SAME	20 End of Semester
	22 SAME	21 PD	21 SAME	
	23 SAME	24 ESS.8.5.7 Characteristics of sedimentary, igneous, and metamorphic	22 SAME	
	26 PS.6.5.6 Conduct investigations using potential and kinetic energy	25 SAME	23-25 Thanksgiving	
	27 SAME	26 SAME	28 ESS.8.5.3 + ESS.8.5.4 Identify characteristics of minerals and conduct investigations on mineral properties	
	28 SAME	27 ESS.8.5.11 Formation of soil	29 SAME	

	29 PS.7.5.1 + PS.7.5.2 Summarize how light interacts with matter and investigate how light travels and interacts with an object	28 SAME	30 ESS.8.5.5 + ESS.8.5.6 Identify minerals and Identify minerals found in Arkansas	

	30 SAME	31 ESS.8.5.12 Conduct investigations on sedimentation		

5th Grade Science Pacing Calendar Fort Smith School District 2011-2012

January	February	March	April	May
4 LS.2.5.1 + LS.2.5.2 Cell theory and examine cells on a microscopic level	1 LS.4.5.1 Distinguish and model organisms, populations, communities, ecosystems and biosphere	1 LS.4.5.11, LS.4.5.12, LS.4.5.13, + LS.4.5.17 Create ecosystems without plants, conduct investigations in which plants thrive, construct compare and contrast open and closed aquaria, describe and illustrate various symbiotic relationships	2 ESS.10.5.2 + ESS.10.5.3 Order of planets in solar system and properties of the planets	1 Careers in Science
5 SAME	2 LS.4.5.2 Transfer of energy using terrestrial and aquatic energy pyramids	2 SAME	3 ESS.10.5.4 + ESS.10.5.5 Distinguish between mass and weight, and compare human's body mass to weight on Earth, the moon, and other planets	2 SAME
6 SAME	3 SAME	5 SAME	4 SAME	3 SAME
9 SAME	6 LS.4.5.3 Design food webs that show flow of energy within communities	6 TLI Lit (R 3-6 W 3-6) SAME	5 SAME	4 SAME
10 LS.2.5.3, LS.2.5.4, + LS.2.5.5 Basic cell functions in organisms, model and identify parts of plant and animal cells, and compare and contrast plant and animal cells	7 SAME	7 TLI Math (3-6) Review for TLI Science	6 PD	7 Review for TLI
11 SAME	8 LS.4.5.4 Evaluate food webs under conditions of stress	8 TLI Sci (3-6)	9 SAME	8 TLI Lit (R 3-6 W 3-6) SAME
12 SAME	9 SAME	9 End of 3rd Quarter	10 Review for Science Benchmark	9 TLI Math (3-6) SAME
13 SAME	10 LS.4.5.5 Examine the role of limiting factors on carrying capacity of ecosystem	12 ESS.10.5.1 Compare physical characteristics of sun to other stars	11 SAME	10 TLI Sci (3-6)
16 NO SCHOOL	13 SAME	13 P/T Conferences SAME	12 SAME	11 Review of any SLE's, more hands on or in depth activities based on 4th quarter SLE's, or cover any SLE's not covered
17 LS.2.5.3, LS.2.5.4, + LS.2.5.5 Basic cell functions in organisms, model and identify parts of plant and animal cells, and compare and contrast plant and animal cells	14 LS.4.5.6, LS.4.5.7, and LS.4.5.8 Describe and diagram nitrogen cycle, carbon cycle, and carbon dioxide cycle	14 SAME	13 SAME	14 SAME
18 SAME	15 SAME	15 P/T Conferences SAME	16 BENCHMARK	15 SAME
19 LS.2.5.6, LS.2.5.7, + LS.2.5.8 Separate plant pigment from cells, identify roll of chlorophyll in photosynthesis, and explain and illustrate photosynthesis	16 SAME	16 SAME	17 BENCHMARK	16 SAME
20 SAME	17 SAME	19-23 Spring Break	18 BENCHMARK	17 SAME
23 SAME	20 PD	26 REVIEW OF PAST MATERIAL BEFORE SPRING BREAK	19 BENCHMARK	18 SAME
24 SAME	21 LS.4.5.9 Conduct investigations demonstrating the role of the carbon dioxide-oxygen cycle in ecosystems	27 ESS.10.5.2 + ESS.10.5.3 Order of planets in solar system and properties of the planets	20 BENCHMARK	21 SAME

25 SAME	22 SAME	28 SAME	23 Careers in Science	22 SAME
26 LS.2.5.9 + LS.2.5.10 Explain cellular respiration, and conduct investigations on cellular respiration	23 LS.4.5.10 Analyze the concept of conservation of mass in an ecosystem	29 SAME	24 SAME	23 SAME
27 SAME	24 SAME	30 SAME	25 SAME	24 SAME
30 SAME	27 LS.4.5.14, LS.4.5.15, and LS.4.5.16 Categorize organisms by the function they serve in ecosystems and food webs, conduct field studies identifying and categorizing organisms in ecosystem, and positive and negative human effects on the ecosystem		26 SAME	25 End of 4th Quarter – Final Day of School
31 LS.4.5.1 Distinguish and model organisms, populations, communities, ecosystems and biosphere	28 SAME		27 SAME	
	29 SAME		30 SAME	