

# CARROLL COUNTY SCHOOL DISTRICT CURRICULUM WEEKLY PACING GUIDE 2007 REVISED MS SCIENCE FRAMEWORK

**Grade Level:** 6<sup>TH</sup>      **Subject:** Science      **Term:** August 8 – October 12, 2007

\*LEVELS:    I = INTRODUCTORY      M = MASTERY      O = ONGOING  
                  Competencies (Bold/Italics/Underlined)    Objectives (Bold)    Benchmarks (Unbold)

The teacher will model the objective, work through a guided practice, and assign independent practice for each of the following objectives:

Weekly Date	Competencies/ Objectives	*Level	Description of Competencies/Objectives/Benchmarks	Competencies/Objectives/ Assessments (# and types)		Strategies/Resources
				SPMS (Vantage)	Assessment	
	District / State		Description			Strategies/ Resources
8/8-8/10			<b>Classroom procedures and handbook policies</b>			
	<b><u>S.6.1</u></b>		<b><u>Investigate structure and functions in living systems. (L, E)</u></b>			
8/13-8/17 8/20-8/24	<b>S.6.1.a</b>		Identify, compare, and contrast levels of organization including cells, tissues, organs, organ systems, and organisms.			
8/27-8/31 9/4-9/7	<b>S.6.1.b</b>		Compare and contrast patterns and interactions of ecosystems and biomes.			

	<b>S.6.4</b>		<b><u>Explore how different populations determine the formation of an ecosystem.</u></b>			
9/10-9/14	<b>S.6.4.a</b>		Compare/contrast the roles among producers, consumers, and decomposers in a food web.			
9/17-9/21 9/24-9/28	<b>S.6.4.b</b>		Manipulate resources and other factors (living and nonliving) that promote and limit growth of populations in an ecosystem.			
10/1 – 10/5			<b>Review Week</b>			
10/8 – 10/12			<b>Nine Weeks' Tests</b>			



# CARROLL COUNTY SCHOOL DISTRICT CURRICULUM WEEKLY PACING GUIDE 2007 REVISED MS SCIENCE FRAMEWORK

**Grade Level:** 6<sup>TH</sup>      **Subject:** Science      **Term:** Oct. 16 – Dec. 20, 2007

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10/16-10/19	<b>S.6.2</b>		<b><u>Compare and classify the reproduction and heredity of organisms.(L)</u></b>			
10/22-10/26	<b>S.6.2.a</b>		Differentiate between sexual and asexual reproduction.			
10/29-11/2	<b>S.6.2.b</b>		Determine how traits are used to classify individual inherited patterns.			
11/5-11/9	<b>S.6.3</b>		<b><u>Explore how changing resources will influence the regulation and behavior of organisms. (L, E)</u></b>			
	<b><i>S.6.3.a</i></b>		Evaluate the significance of resources required by organisms.			
11/12-11/16	<b>S.6.3.b</b>		Investigate, compare/contrast ways organisms adapt to their environment			
	<b>S.6.5</b>		<b><u>Explore the unique characteristics and adaptations of organisms. (L, E)</u></b>			



# CARROLL COUNTY SCHOOL DISTRICT CURRICULUM WEEKLY PACING GUIDE 2007 REVISED MS SCENCE FRAMEWORK

**Grade Level:** 6<sup>TH</sup>      **Subject:** Science      **Term:** Jan. 7 - Mar. 14, 2008

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**The teacher will model the objective, work through a guided practice, and assign independent practice for each of the following objectives:**

	<u><b>S.6.6</b></u>		<b><u>Model the structure of the Earth system past and present. (E)</u></b>			
1/7-1/11	<b>S.6.6.a</b>		Construct and explain the structure of the atmosphere ( gas-air), hydrosphere (liquid-water), lithosphere (solid-land), and changes that occur within			
1/14-1/18	<b>S.6.6.b</b>		Examine the changes and processes that alter the Earth's system.			
1/22-1/25	<b>S.6.6.c</b>		Analyze fossils as indicators of how life and environmental conditions have changed.			
	<b>S.6.7</b>		<b><u>Investigate the Earth in relation to the solar system. (E, P)</u></b>			
1/28-2/1	<b>S.6.7.a</b>		Demonstrate how the Earth's motion influences the day, year, phases of the moon, and eclipses.			
2/4-2/8	<b>S.6.7.b</b>		Explore how gravity influences the motion of all celestial bodies.			

2/11- 2/15	<b>S.6.7.c</b>		Demonstrate how the tilt of the Earth's axis and Earth's revolution around the sun create the seasons.			
	<b>S.6.8</b>		<b><u>Investigate structure, properties, and changes of matter. (E, P)</u></b>			
2/19- 2/22	<b><u>S.6.8.a</u></b>		Analyze properties such as density, boiling point, and solubility of a substance.			
2/25- 2/29	<b>S.6.8.b</b>		Record and interpret physical and chemical changes using everyday substances.			
3/3-3/7	<b>S.6.8.c</b>		Differentiate between common elements that combine chemically to produce compounds.			
3/3-3/7	<b>S.6.8.d</b>		Demonstrate the ability to use simple measuring devices using metric and English units.			
3/10 – 3/14			<b>Nine Weeks' Tests</b>			

# CARROLL COUNTY SCHOOL DISTRICT CURRICULUM WEEKLY PACING GUIDE 2007 REVISED MS SCIENCE FRAMEWORK

**Grade Level:** 6<sup>TH</sup>      **Subject:** Science      **Term:** Mar. 25 – May 21, 2008

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**The teacher will model the objective, work through a guided practice, and assign independent practice for each of the following objectives:**

	<b>S.6.9</b>		<b><u>Evaluate the effect of force on the motion of an object.. (E, L, P)</u></b>			
3/25- 3/28	<b><u>S.6.9.a</u></b>		Analyze, measure, and graph the motion of an object.			
3/31-4/4	<b>S.6.9.b</b>		Experiment and measure the effect of force on an object.			
4/7-4/11	<b>S.6.10</b>		<b><u>Examine the transfer of energy in many different forms. (E, L, P)</u></b>			
4/14- 4/18	<b>S.6.10.a</b>		Observe and manipulate energy as potential or kinetic.			
4/21- 4/25	<b>S.6.10.b</b>		Investigate forms of energy such as heat, sound, light, or electricity.			
4/28-5/2 5/5-5/9	<b><u>S.6.10.c</u></b>		Recognize the sun as a major source of energy.			

5/12- 5/16			<u><i>Review Week</i></u>			
5/19- 5/21			<b>Nine Weeks' Tests</b>			