

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

<b>Fourth Grade Science</b>	<b>August 8 – October 12, 2007</b>
<b>First Nine Weeks</b>	
8/13-24	Compare food chains and food webs.
8/27-31	Compare and contrast adaptations necessary for animals and plants to survive in different habitats.
9/4-14	Group animals as invertebrates or vertebrates.
9/17-21	Explore the four requirements necessary for photosynthesis.
9/24-28 – 10/1-5	Compare and contrast flowering and non-flowering plants.
10/8-12	<b>Review and Administrate Nine Weeks Test.</b>

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

<b>Fourth Grade Science</b>	<b>October 16 - Dec. 20, 2007</b>
<b>Second Nine Weeks</b>	
10/16-25 - 10/29	Identify parts and basic functions of various body systems (circulatory, respiratory, digestive, skeletal and nervous systems).
10/30 – 11/9	Analyze the circulatory system.
11/12-16	Explain why the apparent size of an object depends on its distance from the observer.
11/26-30	Describe the interaction between the Earth, Sun, Earth's moon, and planets of the solar system.
12/3-7 - 12/10-14	Describe the apparent motion of constellations in the night sky (east to west throughout the night, east to west throughout the year).
<b>12/17-20</b>	<b>Review and Administer Nine Weeks Test.</b>

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

Fourth Grade Science	October 16 – Dec. 20, 2007
<b>Third Nine Weeks</b>	
1/7-11	Locate and identify planets as bright, shining bodies that move in front of the background of constellations.
1/14-18	Explain the nature of telescopes as devices that collect light and enlarge the apparent size of distant objects to reveal otherwise unseen features.
1/22 – 2/8	Describe the physical features of the moon (craters, plains, mountains) and the planets.
2/11-15	Describe how external forces including heat, wind and water affect the Earth's surface.
2/19-22	Using maps, students identify watershed and run-off patterns of local areas.
2/19-22	Group landform examples by the forces that may have created them.
2/25-29	Analyze and predict the weather using the thermometer, anemometer, rain gauge, barometer and hygrometer.
3/3-7	Recognize and collect data of extreme weather conditions.
3/10-14	<b>Review and Administer Nine Weeks Test.</b>

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

Grade 4 Science	Mar. 25 – May 21, 2008
<b>Fourth Nine Weeks</b>	
3/25 – 4/2	Describe ways to protect the air we breathe.
3/25 – 4/2	Recognize the need for conservation of water resources.
3/25- 4/2	Discuss the ways man can protect and manage organisms in the environment.
4/3-11	Observe that matter occupies space and has mass and volume.
4/14-18	Demonstrate transformations of the states of matter.
4/14-18	Explore and classify physical and chemical changes.
4/21-25	Differentiate energy as potential or kinetic energy.
4/28 – 5/2	Identify and explore forms of energy such as heat, sound, light, or electricity.
4/28 – 5/2	Demonstrate the use of the sun as an energy source.
5/5-9	Measure a given object using specified scientific measurement (English and/or metric).
5/5-9	Select, use, compare and convert within the appropriate standard (English and metric) system of measurement. *

5/12-16	Identify the attributes of length, weight, capacity/volume, mass, time and temperature using English and metric units of measurement.
5/12-16	Calculate and solve problems with elapsed time.
5/19-21	<b>Review and Administer Nine Weeks test.</b>