

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

Grade Level: 5TH **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 | |
| | <i>District / State</i> | | <i>Description</i> | | | <i>Strategies/ Resources</i> |
| 8/8-8/10 | | | Classroom procedures and handbook policies | | | |
| | <u>S.5.1</u> | | <u>Identify and describe structures and functions in living systems. (L, E)</u> | | | |
| 8/13-8/17 8/20-8/24 | S.5.1.a | | Investigate levels of organization in organisms including cells, tissues, organs, organ systems, whole organisms, and ecosystems | | | |
| 8/27-8/31 9/4-9/7 | S.5.1.b | | Explore ecosystems and biomes.. | | | |
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| | S.6.2 | | <u>Identify and describe reproduction and heredity of organisms. (L, P)</u> | | | |
| 9/10-9/14 | S.6.2.a | | Define and recognize examples of sexual and asexual reproduction. | | | |
| 9/17-9/21 9/24-9/28 | S.6.3.b | | Explore how traits are used to classify individual inheritance patterns. | | | |
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| 10/1 – 10/5 | | | Review Week | | | |
| 10/8 – 10/12 | | | Nine Weeks' Tests | | | |

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

Grade Level: 5TH **Subject:** Science **Term:** Oct. 16 – Dec. 20, 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:

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| 10/16-10/19 | S.5.3 | | <u>Determine the factors that influence the regulation and behavior of organisms. (L, E)</u> | | | |
| 10/22-10/26 | S.5.3.a | | Identify and describe resources needed to grow, reproduce, maintain, and survive in a changing environment. | | | |
| 10/29-11/2 | S.5.3.b | | Investigate ways organisms adapt to their environment.. | | | |
| | S.5.4 | | <u>Examine the physical factors of populations as they relate to the formation of an ecosystem. (L, E)</u> | | | |
| 11/5-11/9 | <u>S.5.4.a</u> | | Identify, describe, and illustrate the roles among producers, consumers, and decomposers in a food web. | | | |
| 11/12-11/16 | S.5.4.b | | Investigate resources and other factors (living and nonliving) that promote and limit growth of populations in an ecosystem. | | | |
| | S.5.5 | | <u>Explore the diversity and adaptations of organisms. (L, E)</u> | | | |

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

Grade Level: 5TH **Subject:** Science **Term:** Jan. 7 - Mar. 14, 2008

*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:

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| | <u>S.5.6</u> | | <u>Investigate the structure of the Earth. (E)</u> | | | |
| 1/7-1/11 | S.5.6.a | | Investigate the structure of the atmosphere (gas-air), hydrosphere (liquid-water), and lithosphere (solid-land). | | | |
| 1/14-1/18 | S.5.6.b | | Examine how organisms affect the composition of the Earth and it's atmosphere. | | | |
| 1/22-1/25 | S.5.6.c | | Analyze processes that cause changes on Earth.. | | | |
| 1/28-2/1 | S.5.6.d | | Explore fossils as indicators of how life and environmental conditions have changed. | | | |
| | S.5.7 | | <u>Investigate the Earth as a part of the solar system. (E, P)</u> | | | |
| 2/4-2/8 | S.5.7.a | | Explore how the Earth's motion defines the day and the year and influences the phases of the moon and eclipses. | | | |

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| 2/11- 2/15 | S.5.7.b | | Explain how gravity influences the action of the tides. | | | |
| 2/19- 2/22 | S.5.7.c | | Explain and illustrate how the tilt of the Earth's axis and Earth's revolution around the Sun create the seasons. | | | |
| | <u>S.5.8</u> | | <u>Identify properties and changes of matter. (E, P)</u> | | | |
| 2/25- 2/29 | S.5.8.a | | Observe and explore physical and chemical properties such as density, boiling freezing point, and solubility of a substance. | | | |
| 3/3-3/7 | S.5.8.b | | Explore, observe, discuss, and record physical and chemical changes using everyday substances. | | | |
| 3/3-3/7 | S.5.8.c | | Recognize elements that combine chemically to produce compounds. | | | |
| 3/10 – 3/14 | | | Nine Weeks' Tests | | | |

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

Grade Level: 5TH **Subject:** Science **Term:** Mar. 25 – May 21, 2008

*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:

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| 3/25-3/28 | S.5.8.d | | Demonstrate the ability to use simple measuring devices using metric and English units. | | | |
| | <u>S.5.9</u> | | <u>Investigate the effect motions and forces have on objects. (E, L, P).</u> | | | |
| 3/31-4/4 | S.5.9.a | | Experiment and measure the effect of force on an object. Explore, measure, and graph the motion of an object. | | | |
| 4/7-4/11 | S.5.9.b | | Explore and measure the effect of force on an object. | | | |
| | S.5.10 | | <u>Examine the transformations of forms of energy. (P)</u> | | | |
| 4/14-4/18 | S.5.10.a | | Design and construct simple and compound machines | | | |

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| 4/21- 4/25 | <u>S.5.10.b</u> | | Design and construct electrical circuits (open, closed, series, parallel).. | | | |
| 4/28-5/2 5/5-5/9 | <u>S.5.10.c</u> | | Design and construct an electromagnet. | | | |
| 5/12- 5/16 | | | <u>Review Week</u> | | | |
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| 5/19- 5/21 | | | Nine Weeks' Tests | | | |