**Science**

**Animal Adaptations & Nutrition** (7 weeks)

4.L.1.2 Explain how animals meet their needs by using behaviors in response to information received from the environment.

4.L.1.4 Explain how differences among animals of the same population sometimes give individuals. an advantage in surviving and reproducing in changing habitats.

4.L.2.1 Classify substances as food or nonfood items based on their ability to provide energy and materials for survival, growth and repair of the body.

4.L.2.2 Explain the role of vitamins, minerals and exercise in maintaining a healthy body.

4th Quarter

Curriculum & Standards

**Social Studies**

6.01 Explain the relationship between unlimited wants and limited resources.

6.02 Analyze the choices and opportunity cost involved in economic decisions.

6.03 Categorize the state’s resources as natural, human, or capital.

6.04 Assess how the state’s natural resources are being used.

6.05 Recognize that money can be used for spending, saving, and paying taxes.

6.06 Analyze the relationship between government services and taxes.

6.07 Describe the ways NC specializes in economic activity and the relationship between specialization and interdependence.

**Math**

**Unit 9: Penny Jars and Plant Growth** (**9 days)**

**Generate and analyze patterns.**

[**4.OA.5**](http://www.corestandards.org/Math/Content/4/OA/C/5/) Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself. For example, given the rule "Add 3" and the starting number 1, generate terms in the resulting sequence and observe that the terms appear to alternate between odd and even numbers. Explain informally why the numbers will continue to alternate in this way.

**CMS Measurement Unit (10 days)**

**Solve problems involving measurement and conversion of measurements.**

[**4.MD.1**](http://www.corestandards.org/Math/Content/4/MD/A/1/) Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table. For example, know that 1 ft is 12 times as long as 1 in. Express the length of a 4 ft snake as 48 in. Generate a conversion table for feet and inches listing the number pairs (1, 12), (2, 24), (3, 36), ...

[**4.MD.2**](http://www.corestandards.org/Math/Content/4/MD/A/2/)Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

[**4.MD.3**](http://www.corestandards.org/Math/Content/4/MD/A/3/)Apply the area and perimeter formulas for rectangles in real world and mathematical problems. For example, find the width of a rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.

**CMS EOG Review Unit (15 days)**