

## **Appendix 1: Implementing Common Core Standards**

*This curriculum unit will include the following Math Common Core Standards:*

**3. MD.1** Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.

**3. MD.2** Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). (Note: Excludes finding the geometric volume of a container.)

Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.

**3. MD.3** Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.

**3. MD.4** Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units – whole numbers, halves, or quarters.

*This curriculum unit will illustrate the following Science Essential Standards:*

3. P.1.1 Infer changes in speed or direction resulting from forces acting on an object.

3. P.1.2 Compare the relative speeds (faster or slower) of objects that travel the same distance in different amounts of time.

3. P.1.3 Explain the effects of earth’s gravity on the motion of any object on or near the earth.

*This curriculum unit will explain Social Studies Essential Standards:*

3. G.1 Understand the earth’s pattern by using the 5 themes of Geography: location, place, human environment interaction, movement and regions.

3. G.1.3 Exemplify how people adapt to, change and protect the environment to meet their needs  
3. E.1 Understand how the location of regions affects activity in a market economy.

3. E.1.2 Explain how locations of regions and natural resources influence economic development (industries developed around natural resources, rivers and coastal towns).

3. E.2.2 Compare Earth’s land features (including volcanoes, mountains, valleys, canyons, caverns, and islands) by using models, pictures, diagrams, and maps.

3. C.1 Understand how diverse cultures are visible in local and regional communities.

3. H.1.2 Analyze the impact of contributions made by diverse historical figures in local communities and regions over time.

3. H.1.3 Exemplify the ideas that were significant in the development of local communities and regions.

*This curriculum will show World Languages Essential Standards:*

1. Use the language to engage in interpersonal communication.
2. Understand words and concepts presented in the language.
3. Use the language to present information to an audience.
4. Compare the students' culture and the target culture