

DRAFT

Second Grade

The Five Unifying Themes of Helena School District #1 Science Students.

The Unifying Themes outline the major skills, concepts, facts, or processes that students need to master or demonstrate proficiency in by the completion of the grade level or course. Unifying Themes do not supplant or replace the curriculum, but list identified skills, concepts, facts, or processes presented in full within the curriculum that are foundational to future learning. They are a quick way to see the enduring and essential understandings presented fully in the curriculum that students need to acquire for life. They represent overarching themes that should be emphasized and reemphasized over and over again through out any given grade level as well as transcend a students' entire science education.

1. Problem Solving

- ❖ Student begin to identify variables

2. Measurements/Technology

- ❖ Demonstrate correct use of measurement

3. Classification/Grouping

- ❖ Classify and record properties of matter
- ❖ Properties of rocks
- ❖ Basic characteristics of sound
- ❖ Fossils/prehistoric life
- ❖ Describe and illustrate Earth's features
- ❖ Identify seasonal and weather changes

4. Models/Systems

- ❖ Recognize and identify life cycles of plants and animals

5. Communication/Vocabulary

- ❖ Communicate through illustrations, verbally and in written form scientific investigations
- ❖ Provides examples of how people use various types of technologies