

# DRAFT

## Kindergarten

### 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

- ❖ Observe and report weather/seasons (calendar time)
- ❖ Ask questions about science in their world

#### 2. Measurements/Technology

- ❖ Nontraditional measurements
- ❖ Identify and demonstrate different uses of technologies

#### 3. Classification/Grouping

- ❖ Identify solid, liquid, gas
- ❖ Living and nonliving

#### 4. Models/Systems

- ❖ Five senses
- ❖ Model of Earth, sun, moon, stars
- ❖ Explain experiences with light, magnetism and motion

#### 5. Communication/Vocabulary

- ❖ Manipulatives
- ❖ Draw
- ❖ Verbal
- ❖ Share and listen in a group