

**CASSVILLE R-IV SCHOOL DISTRICT
CURRICULUM IMPLEMENTATION GUIDE**

**EVALUATION PROFILE
UNIT PLAN OVERVIEW**

Unit: 4. Rocks and Minerals

Learner Objectives

1.

Lesson 1- The students will share what they know about rocks, observe the first three rocks, and learn about the properties of the three types of rocks.

Lesson 2- The students will observe and describe the 12 rocks. They will sort them by similarities and differences.

Lesson 3- The students will then discuss how rocks are formed. They will identify properties that are related to how rocks are formed.

Lesson 4- The students will discuss similarities that rocks and minerals have by observation. They will discuss and record observations of the first three minerals.

Lesson 5- The students will share ideas and questions that they have about minerals. Then they will observe the 12 minerals. They can compare by similarities and differences.

Lesson 6- The students will observe, describe, and draw each mineral in set. They will record the texture and the smell of each mineral. Place results on their profile sheets.

Lesson 7- The students will describe and record the observable color of the 12 minerals. Describe the results of the streak test on the white and black streak blocks. They will place results on their profile sheets.

Lesson 8- The students will test how much light will travel through each mineral. Then the students will discuss their observations of each mineral to allow it to travel through. Place results on profile sheets.

Lesson 9- The students will discuss and describe in their groups the luster of each mineral. They will place observations on their profile sheets.

Lesson 10- The students will test, compare, and discuss the hardness of their minerals. They will use the Mohl's hardness scale as their assessment. They will record their results.

Lesson 11- The students will test the minerals with a magnet and observe their results. They will record their results on their profile sheets.

Lesson 12- The students will observe and describe the shapes of the 12 sets of minerals. They will record their findings on their profile sheets.

Lesson 14- The students will apply problem solving skills to identify each of the 12 minerals by using their descriptions and fact profile cards. They will label their findings in their notebook.

Lesson 15- The students will share possibilities of uses of rocks and minerals. They will share their findings.

Lesson 16- The students will take a post assessment to show what they have learned.

Presented to students on (date) _____
