

## **Rock Ledge Ranch Field Trips State Standards Document**

Each field trip is different based on the time available and the age of the students, but this document lists the State of Colorado Academic Standards that our field trips relate to and touch on.

### **American Indian Area**

This station involves an authentic elk-hide tipi and many other artifacts that students get to experience. Students will discuss the things that humans need to survive—food, water, and shelter—and the ways the Ute people used STEM in securing these things for themselves. They will seek to understand a different culture and learn that it is not a thing of the past—Native Americans are still here!

#### **Social Studies:**

K.SS.1.1, K.SS.1.2, K.S.3.1  
1.SS.1.2, 1.SS.2.2  
2.SS.1.1, 2.SS.1.2, 2.SS.2.2  
3.SS.1.1, 3.SS.1.2  
4.SS.1.1, 4.SS.1.2  
5.SS.1.1, 5.SS.3.1  
6.SS.1.2  
MS.S.3.8

#### **Science:**

5.S.1.4

### **Homestead Cabin**

Students will learn about the homestead act and how it brought many different people, including Walter Galloway, west. They will discuss resources and brainstorm what different resources would be important for homesteading. Older students may engage in a “history detective” exercise involving a discussion of primary versus secondary sources.

#### **Social Studies:**

K.SS.1.1, K.SS.1.2, K.SS.3.1  
2.SS.1.1, 2.SS.2.2, 2.SS.3.1  
3.SS.1.1, 3.SS.1.2  
4.SS.1.1, 4.SS.1.2  
5.SS.1.1  
6.SS.1.2  
MS.S.3.8

#### **Science:**

5.S.1.2

### **Garden/Barnyard/Animals**

Students will meet the Ranch animals, including horses, sheep, pigs, chickens, cow, and ducks. Students will discuss the roles/jobs/value of each animal on the farm, and learn how they are well suited to it.

Social Studies:

3.SS.3.1

Science:

K.S.2.1, K.S.3.2

1.S.2.1, 1.S.2.2

2.S.2.1

3.S.2.1

4.S.2.1

5.S.2.2

### **Blacksmith Shop**

Students observe the blacksmith at work shaping metal with the use of a forge. Interpretation includes topics related to 19<sup>th</sup> century craftsmanship, apprenticeship, resources, trade, and the science of blacksmithing.

Social Studies:

K.SS.1.1

1.SS.1.2

2.SS.1.1

3.SS.1.1, 3.SS.3.1

4.SS.1.1

5.SS.1.1

6.SS.1.2

Science:

2.S.1.1

4.S.3.4

MS.S.1.1

### **Pond/Camouflage**

This science station begins with a discussion of food chains and both how and why predators and prey hide themselves from other animals. Students then engage in an active scavenger hunt searching for camouflaged “worms” (ribbons) hidden around the pond. A debrief afterwards helps solidify the lesson that camouflage has to do with more than just color, and can be a very effective animal adaptation!

Science:

K.S.3.2

1.S.2.1, 1.S.2.2  
2.S.2.2  
3.S.2.3, 3.S.2.5  
4.S.2.1  
MS.S.2.5, MS.S.2.10