

Colorado

Giant Traveling Map Lesson

TITLE / AUTHOR:

Grid Coordinate Connect Four / Kris Odenbaugh

COLORADO ACADEMIC STANDARDS / SUITABLE DISCIPLINES:

- Social Studies, History: Fourth Grade Standard 1, Grade Level Expectation 2: The historical eras, individuals, groups, ideas and themes in Colorado history and their relationships to key events in the United States, Evidence Outcome a. Analyze various eras in Colorado history and the relationship between these eras and eras in United States history, and the changes in Colorado over time (DOK 1-3).
- Social Studies, Geography: Fourth Grade Standard 2, Grade Level Expectation: 1: Use several types of geographic tools to answer questions about the geography of Colorado, Evidence Outcome a: Answer questions about Colorado regions using maps and other geographic tools (DOK 1-2)
- Social Studies, Geography: Fourth Grade Standard 2, Grade Level Expectation: 1: Use several types of geographic tools to answer questions about the geography of Colorado, Evidence Outcome b: Use geographic grids to locate places on maps and images to answer questions (DOK 1-2)
- Social Studies, Economics: Standard 3, Grade Level Expectation: People respond to positive and negative incentives, Evidence Outcome b: Give examples of the kinds of goods and services produced in Colorado in different historical periods and their connection to economic incentives (DOK 1-3)

OBJECTIVES:

- Students will work together in teams using the Giant State Map of Colorado's grid coordinates to place four color coded objects in a row while trying to block other teams. Teams will need to answer a question about CO before they are able to choose a grid coordinate. If the group answers incorrectly another group can "steal."

RECOMMENDED GRADES: Fourth

TIME NEEDED: 30 – 45 minutes

MATERIALS:

- Green, Yellow, Blue, and Red objects (cones, counters, etc) to place on the map (8-10 of each color)
- Battle Ship game board or grid example
- Questions about Colorado (included). Feel free to use your own too!

PREPARATION:

- Become familiar with the rules of Connect Four.

RULES:

- Shoes are not allowed on the map. Please have students remove shoes before walking on the map.
- No writing utensils on the map.
- No sliding on the map.

DIRECTIONS:

Before you go to the giant state map: (optional segmenting of the lesson)

1. Show the class under a document camera or using a projected image the board from the Battle Ship game and go over how grid coordinates work.
2. Go over the rules for Connect Four, the strategy for blocking other teams. The official rules for Connect Four are located at <http://www.hasbro.com/common/instruct/ConnectFour.PDF>.

On the map: (optional segmenting of the lesson)

1. Have the class divide into four groups and sit at their “basecamp” color.
2. Pass out color coded objects.
3. Pick a group that is sitting quietly to start. You may choose which questions to ask the students or you can let groups choose between economic, civic, history, or geography categories. If they answer the question correctly as a team they decide where to place their object. If they are incorrect another group can steal (the idea is everyone should be listening carefully to the questions and be ready to answer.) Each group keeps taking turns until a group gets four objects in a row.
4. The objects will be located on the map by using the grid that uses the numbers and letters on the edge of the map. One student from the group that gets the question correct will place the object in the correct position on the map using the grid. Other members of the group can help the student place the object correctly.

MODIFICATIONS:

Reasonable accommodations can be made based on the needs of each student.

EXTENSIONS:

Students can be asked to develop questions that can be used for the class.

Possible Questions

Economics	History	Civics	Geography
Name two industries in CO?	In what part of CO are there Indian Reservations?	What are traditions?	Name two mountains found in CO?
In what CO city are coins made?	Name two Native American Tribes that call CO home?	Name two people who had mountains named for them. <i>Zebulon Pike, Stephen Long</i>	What region is CO in?
What natural resource brought so many people to CO in the mid 1800s?	What corner of the state is home to the Cliff Dwellings?	Name the Major League baseball team from CO. Why/how did it get that name?	Name 3 landforms found in CO. <i>Mountains, plains, valleys</i>
Name two natural resources can be found in CO.	What are pictographs?	Name a National Park people like to visit in CO.	How many regions is CO divided into? <i>5: High Plains, Front Range, Mountains, San Luis Valley, Western Slope</i>
What are opportunity costs?	What are petroglyphs?	How or what are prospectors? Why did they come to CO?	Why is the Broncos' stadium called Mile High?
What is economics?	What were some common animals that were found on the CO plains?	List two reasons CO is a great place to live.	What is the average elevation in CO? <i>6,800ft</i>
What are goods and services?	What is a boomtown?	List five common hobbies many Coloradoans have.	America the Beautiful was written on what mountain in CO? <i>Pikes Peak</i>