

Arizona

Alliance Created State Giant Traveling Map Lesson

Title: DOGSTAILS: INTRODUCTION TO THE GIANT MAP

Recommended Grades: 1-4 and High School but can be used in every grade as a review

Spatial Concept: Reference Frames

Time Needed: 30 - 50 minutes

Objectives:

Students will:

- Name, locate, and use the essential parts of a map.

Materials:

- Project DOGSTAILS Elements (Doc camera or PowerPoint)
- DOGSTAILS Worksheet
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- Arizona Giant Map
- DOGSTAILS labels copied in different colors of copy paper

Preparation:

- Print out worksheets for student use
- Laminate DOGSTAILS labels

Rules:

- Shoes are not allowed on the map. Please have students remove shoes before walking on the map. Students must wear socks. No bare feet.
- No writing utensils on the map. Keep all writing utensils and other sharp objects 12 inches from the edge of the map.

Directions:

Prior to going to the location of the giant map.

1. Introduce the term acronym to the students and explain that DOGSTAILS is an example of an acronym.
2. Explain that this is a process that should be used whenever a person deals with a new map. Emphasize that all maps do not have all of these elements. However well-made maps will have most of these.
3. Distribute the DOGSTAILS Worksheet.
4. Project the DOGSTAILS Elements and explain the parts of a map. Students should be recording this information on their DOGSTAILS Worksheet.

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Take students to the location of the giant Arizona map.

5. Have students sit around the perimeter of the map.
6. Point out the DOGSTAILS elements on the map.
7. Divide students into base camps and have one base camp at a time take the DOGSTAILS labels and find the elements on the map.
8. Conclude the activity by reminding students that when they construct maps, they should include these DOGSTAILS elements.

Standards:

Arizona Geography

1st Grade Social Studies

Concept 1: The World in Spatial Terms

PO 2. Identify characteristics of maps and globes:

- a. compass rose
- b. symbols
- c. map key/legend

2nd Grade Social Studies

Concept 1: The World in Spatial Terms

PO 2. Interpret political and physical maps using the following elements:

- a. alpha numeric grids
- b. title
- c. compass rose - cardinal directions
- d. key (legend)
- e. symbols

3rd Grade Social Studies

Concept 1: The World in Spatial Terms

PO 2. Interpret political and physical maps using the following elements:

- a. alpha-numeric grids
- b. title
- c. compass rose -cardinal and intermediate directions
- d. symbols
- e. legend
- f. scale

4th Grade Social Studies

Concept 1: The World in Spatial Terms

PO 2. Interpret political and physical maps using the following map elements:

- a. title
- b. compass rose (cardinal and intermediate directions)
- c. symbols
- d. legend
- e. scale

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- f. road map index
- g. grid (latitude and longitude)

High School Social Studies

Concept 1: The World in Spatial Terms

PO 1. Construct maps using appropriate elements (i.e., date, orientation, grid, scale, title, author, index, legend, situation).

National Geography Standard

Geography Standard 1: How to use maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate information