

Map Study of the Arctic



Pre Lesson Plan 1 / SS

Age: Grades 6-8

Setting: Classroom

Standards: Geography: 7.1.9 A,B
Geography: 7.2.9 A

Objectives: Students will be able to:

- construct a three-dimensional map of land features of the Arctic
- represent the geographic features of the region
- work effectively in cooperative groups

Overview: Introduce the Arctic and show its location to the class on a world map. Students should be placed in cooperative groups of three to four people. Groups should use the map of the Arctic as a guide for making their three-dimensional map. Students will try to recreate the topography of the Arctic by picking a material that they can build a three-dimensional topography. The groups must create an index that explains the geographic features of the region.

Materials:

- Atlas
- Cardboard
- Clay
- Glue
- Markers
- Paint

Procedure:

1. Split students into groups
2. Discuss topography and how to represent it on a map
3. Groups will create three-dimensional maps
4. Students must present their three-dimensional map to the class
5. Students may grade their success as a group
6. Maps will be graded using a rubric

Assessment:

1. Grade maps using the rubric (page 44)
2. Have students present and explain their maps
3. Have students evaluate their cooperative group

Three-Dimensional Maps

Grade Sheet

Map Accuracy

Total ___/30

Correct Labels	___/10
Correct Locations	___/10
Appropriate Topography	___/5
Index	___/5

Neatness

Total ___/30

Three-Dimensional	___/15
Use of Materials	___/5
Creativity	___/5
Overall Effect	___/5

Cooperative Learning

Total ___/15

On-Task Behavior	___/5
Quiet Voices	___/5
Effort	___/5

Final Grade ___/75