

2012

Fun with Longitude and Latitude

Angela Groene

Let us know how access to this document benefits you

Copyright ©[2012?] Angela Groene



This work is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).

Follow this and additional works at: <https://scholarworks.uni.edu/oermaterials>



Part of the [Geography Commons](#)

Recommended Citation

Groene, Angela, "Fun with Longitude and Latitude" (2012). *Open Educational Resources*. 110.
<https://scholarworks.uni.edu/oermaterials/110>

This Lesson Plans is brought to you for free and open access by the Open Educational Resources at UNI ScholarWorks. It has been accepted for inclusion in Open Educational Resources by an authorized administrator of UNI ScholarWorks. For more information, please contact scholarworks@uni.edu.

Offensive Materials Statement: Materials located in UNI ScholarWorks come from a broad range of sources and time periods. Some of these materials may contain offensive stereotypes, ideas, visuals, or language.

Fun with Longitude and Latitude

Created by: Angela Groene
School and District not available

Grade Level (Req.): 5th grade	Content Area (Req.): Geography	Unit (Opt.):
Connections to Other Disciplines (Opt.): <ul style="list-style-type: none"> • • • 		
Time Frame (Req.): 45 minutes	Goal (Req.): To help students strengthen their skills in plotting points on a map using longitude and latitude in two different activities.	
	Objective (Req.): Students will be able to use longitude and latitude to locate points on a map.	
Materials Needed (Req.): <ul style="list-style-type: none"> • Dry erase markers • Laminated desk maps • Designated points to plots (on Smartboard or overhead projector) • Transparency/picture of a world map that includes the numbered latitude and longitude lines to display to the class • Overhead projector, LCD projector and/or Smartboard • • 		New Vocabulary (Opt.): <ul style="list-style-type: none"> • • • • •
Anticipatory Set/Introduction [Inquiry Question is required] (Req.): How do people locate places around the world quickly?		
Instructional Sequence/Procedure (Req.): <ol style="list-style-type: none"> 1st Activity: (students can work in groups if not enough maps) Have students plot the following points: 1) 50°N, 60°W; 2) 20°N, 120°W; 3) 20°S, 80°W; 4) 40°S, 20°W; 5) 40°S, 20°E; 6) 20°S, 80°E; 7) 20°N, 120°E; 8) 50°N, 60°E. (see Assessment for completion of activity) 2nd Activity: Obtain a transparency or picture of a world map that includes the numbered latitude and longitude lines. Explain to the students that the game is similar to tic-tac-toe except that a team must have five Xs and Os in a row to win a round. To play, divide the class into two teams. The first player from Team X names a set of coordinates such as "20 degrees north and 60 degrees west." The teacher writes an X on the location where those two lines intersect. Then a player from Team O takes a turn. If a player names a set of coordinates that has already been used, his team loses a turn. A team wins the round when it has five marks in a straight line on the map. Students will want to block the other team's moves. 3. 4. 5. 6. 7. 8. 		

9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	
Formative Evaluation (Req.): Activity #2 is a formative assessment that requires teacher observation.	Assessment (Req.): When completed with Activity #1, they should have created a smiley face! (Easy to check!)
Iowa Core Curriculum Standards Used (Req.): <ul style="list-style-type: none"> Geography, grade 3-5: Understand the use of geographic tools to locate and analyze information about people, places, and environments. 	
Common Core Curriculum Standards Used (Opt.): <ul style="list-style-type: none"> 	
NGS Standards Used (Req.): <ul style="list-style-type: none"> How to analyze the spatial organization of people, places, and environments on the Earth's surface The physical and human characteristics of places That people create regions to interpret Earth's complexity 	
Five Themes of Geography Used (Req.): <ul style="list-style-type: none"> Location 	School District Standards and Benchmarks (Opt.): <ul style="list-style-type: none">

<ul style="list-style-type: none">••••	<ul style="list-style-type: none">••
21 st Century Universal Constructs (Opt.):	
Other Disciplinary Standards (Opt.): <ul style="list-style-type: none">•••••	
Other Essential Information (Opt.):	
Other Resources (Opt.): <ul style="list-style-type: none">••••	