

Mike Dowling's Sixth Grade Lesson Plans

Time and Space	
Lesson Title:	Longitude and Latitude
Date:	
Objective:	<ul style="list-style-type: none"> • The student will be able to differentiate Lines of Longitude from Lines of Latitude. • The student will be able to locate and identify lines of Lines, of Latitude, Lines of Longitude, the equator, the north pole, the south pole, the Prime Meridian and the International Date Line.
2011 Next Generation Standards	<p>SS.6.G.1.1 Use latitude and longitude coordinates to understand the relationship between people and places on the Earth.</p> <p>SS.6.G.1.4 Utilize tools geographers use to study the world.</p> <p>SS.6.G.1.5 Use scale, cardinal, and intermediate directions, and estimation of distances between places on current and ancient maps of the world.</p>
Activities:	<ul style="list-style-type: none"> • Quickly check homework to ensure that the every student attempted to complete every problem. Score 0% on any paper with missing work. The student is welcome to complete the assignment in class for 50% credit. (Note that this lesson is designed to be carried over from the previous class) • Latitude Dance: teacher and students stretch out wide to represent latitude and stand straight while jumping up and down to simulate longitude. • Verner von Dowling (the world's greatest math teacher) comes to the class to explain how there are 360 degrees in a circle and the distance in degrees of various landmarks on earth. • Video and Video Quiz on Globes (Discovery Education Video, 18 mins.) • Brain Pop: Longitude and Latitude • Complete Yellow assignment 1-3 • HOMEWORK: Pink assignment 1-4 • Remind student of homework policy: Students must make a serious attempt at every problem, but their answer may be incorrect. They are welcome to make any necessary corrections in class without penalty. The papers will be checked for accuracy only after the student has an opportunity to correct their work. Score will be 0% on any paper with missing work. The student is welcome to complete the assignment in class for 50% credit. • The student will be able to express himself or herself in complete sentences. The sentence must have a subject and a predicate and pronouns may not be used on first reference.
Text and Materials:	<p>Yellow Assignment 3</p> <p>Video</p> <p>Verner von Dowling</p>