

2012

Intro to Longitude and Latitude

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Intro to Longitude and Latitude

Created by: Connie Burns
Exira CSD

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| Grade Level (Req.): 3rd grade | Content Area (Req.): Social Studies | Unit (Opt.): Five Themes of Geography |
| Connections to Other Disciplines (Opt.): | | |
| <ul style="list-style-type: none"> • • • | | |
| Time Frame (Req.): 2 class periods, 45 min. each | Goal (Req.): Students will learn the basics of using latitude and Longitude to find locations on a map. | |
| | Objective (Req.): Students will locate cities on maps using latitude and longitude. Students will learn how to use GPS to locate places nearby. Students will use GPS to locate flags or other items on a playgroug/ school grounds. | |
| Materials Needed (Req.): | New Vocabulary (Opt.): | |
| <ul style="list-style-type: none"> • Maps • GPS • message in a bottle game • ELMO • • • | <ul style="list-style-type: none"> • longitude • latitude • Prime Meridian • equator • | |
| <p>Anticipatory Set/Introduction [Inquiry Question is required] (Req.): How do longitude and Latitude lines help to locate places on the earth? Show the video rap “longitude and latitude” www.youtube.com/watch?v=-0c1idtn3e8 Introduce the basic make up of longitude and latitude lines on a map. (This is with the entire class)</p> | | |
| <p>Instructional Sequence/Procedure (Req.):</p> <ol style="list-style-type: none"> 1. FIRST CLASS PERIOD: Pass out maps, use the ELMO to show the longitude and latitude lines on them maps. Discuss the fact that they run N to S or E to W but used to locate places either E or W of the Prime Meridian or N or S of the Equator. Explain the meaning of minutes and seconds used in very specific coordinates 2. Demonstrate how to locate cities using Longitude and Latitude lines 3. Assign clock partners and work on a worksheet with Longitude and Latitude coordinates. On the worksheet, describe cities and have students identify cites described. 4. Have each group identify a “mystery city” or other landmark and have them write the coordinates on the board, give the groups time to locate these mystery items and then record the answer on the board 5. EXIT SLIP: Students will record their answers on the exit slip 6. SECOND CLASS PERIOD: Begin by playing “Message in a Bottle” see: teacher.scholastic.com/lessonplans/reproducible/profbooks/MessageinBottle.pdf | | |

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| 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">••• |
| 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">•••• | |