

**Lesson Plans: Weather**

**Weather with a Latitude**

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Grades 4-5

Time required - 45 minutes

Materials – Old globe, 3 flexible aquarium thermometers, double faced tape, desk lamp with 100 watt bulb, graph paper, colored pencils

Preparation – Use the double sided tape to secure the thermometers to the globe. Place one at the equator and the other two at latitudes 60 North/South (This can be done as a demonstration, however I have collected enough old globes at thrift stores and yard sales to have one for each lab group. It can also be set up as a center.)

- ~~///~~ Demonstrate how to read the thermometer
- ~~///~~ Read and record the starting temperature
- ~~///~~ Place the desk lamp 18 inches away from the globe, position it so the light is directly hitting the equator
- ~~///~~ Record the temperature every 5 minutes for 20 minutes (color in the graph while waiting to record the next temperature reading)
- ~~///~~ Discuss the reason for the results

**Extensions**

- Research the average temperatures of cities located near the thermometers
- Tilt the globe to experience seasons