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April 12, 2004

Project - Best Practice Lesson  
Examples of Technology  
Performance Assessment Tasks

**Title:** Where in the World Weather Activity

**Grade level:** 5<sup>th</sup>/6<sup>th</sup>

**Core subject areas:** Science and Social Studies

**Length of lesson:** Introduction - 30 minute  
Daily for a predetermined period of time - 5 minutes  
Conclusion - 45 minutes

**Targeted Information Technology Performance Tasks**

**Problem Solving, Decision Making & Research - Grade 5** - 1. Students independently accesses information from multiple sources including CD based and Internet based electronic encyclopedia and other information sources. 2. Students use a search engine to locate information on the Internet. 3. Students can bookmark sites relevant to their research.

**Productivity Tools - Grade 5** - 3. Student includes graphics, charts and tables that illustrate points made in the document. **Grade 6** - 3. Students create a spreadsheet from a blank page, including simple formulas such as SUM, AVG and DIFF. 4. Student can apply formulas and calculations and use them to construct charts and graphs. 5. Students can view the same data in different graphs and select the most appropriate for presentations. 6. Students can use multiple columns and rows to create a graphical representation of numerical data.

**Prerequisite (technology) skills** - Students need to be able research on the Internet and to access a web site that they have put in their favorites. In addition, they must be able to create a spreadsheet and graphs or tables from the collected data.

**Brief overview of lesson** - Students are given a location some where in the world. They must find out some basic information about the location of their site. During a set period of time, such as one to two week period they access a weather site and record the daily weather. The concluding activity is a game where students in the class ask yes and no questions in an effort to guess the location. Students will have determined the average high and low temperature, humidity, precipitation and barometric pressure prior to the game.

**Non-technology Vermont (or National) Content/Vital Result Standards being targeted** - Still to be finished, I didn't have access at home.

**Activity** - As part of a meteorology unit each student is assigned one location from somewhere in the world. Prior to giving them a location I have checked on line for locations that have daily information. Locations are from all continents.

During the introduction students are given a weather site that they can input their location and bookmark the site with their location.

On a daily basis, students check and record the weather information from their location.

Students record their data and when they have all of their data they create a spreadsheet. At the end of the designated time each student finds the average temperature, humidity, precipitation and barometric pressure.

In addition, students research online or through classroom resources the exact geographical location of their site.

The game is played by students in the class hearing the weather averages and asking yes/no questions.

**Teaching hints** - Check on a daily basis to see student's data. Students love if you add a twist, such as suggesting the place that takes the most turns to guess is where our class is going on our spring vacation.