Technology-Connected Lesson Plan

Title:	**Graphing the Weather**
Grade Levels:	4-6 Grade
Curriculum Areas:	Math
Measurable Objectives:	**Lesson Objectives:** TSW locate the 10 day forecast of a given city. TSW create a line graph and table using Graph Club.
LA Content Standards:	**D-1-E** – collecting, organizing, and describing data based on real-life situations; **D-2-E** – constructing, reading, and interpreting data in charts, graphs, tables, etc;
Grade Level Expectations (GLE)	• Use various types of charts and graphs, including double bar graphs, to organize, display, and interpret data and discuss patterns verbally and in writing (D-1-M) (D-2-M) (P-3-M) (A-4-M) • Compare and contrast different scales and labels for bar and line graphs (D-1-M) • Organize and display data using spreadsheets, with technology (D-1-M)
K12 Educational Technology Standards:	**Technology Guidelines:** • Technology Communication Tools • Technology Productivity Tools • Technology Research Tools • Basic Operations and Concepts **Technology Performance Indicators**

	• Identify, explain, and effectively use input, output and storage devices of computers and other technologies (e.g., keyboard, mouse, scanner, adaptive devices, monitor, printer floppy disk, hard drive). • Use accurate and developmentally appropriate terminology (e.g., cursor, software, hardware, pull down menu, window, disk drive, hard drive, CD-ROM, laser disc) when referring to technology. • Use a variety of developmentally appropriate resources and productivity tools (e.g., logical thinking programs, writing and graphic tools, digital cameras, graphing software) for communication, presentation, and illustration of thoughts, ideas, and stories (e.g., signs, posters, banners, charts, journals, newsletters, and multimedia presentation.) 💻 Use technology tools (e.g., publishing, multimedia tools, and word processing software) for individual and for simple collaborative writing, communication, and publishing activities for a variety of audiences. (1,3)
Technology Connection:	💻 Graph Club CD, computers, printer, presentation station, www.weatherchannel.com
Procedures:	**Introduction:** 1. TTW introduce this activity by telling the students she needs their help. She lets the students know she will be traveling across America and she needs to know what the weather will be like. TTW pass out cards with different cities listed on them to each student. **Procedures:** 2. TSW go to www.weatherchannel.com and locate the 10 day forecast for their city. They will record the results on a weather chart. 3. TTW model for the students how to create charts and graphs using the program, Graph Club. 4. TSW use their weather charts to create a chart and line graph in Graph Club. They must include graphics, titles, and they must have 3 facts typed about their line graph in the notes section.

	Closure: 5. Students will use the teacher's presentation station to share their graphs.
Materials:	Paper/pencil, weather charts, city cards, Internet, computers, Graph Club, printer, presentation station
Assessment:	Completed weather charts, completed Graph Club chart and graph, teacher observation
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