Technology-Connected Lesson Plan

Title:	**How Big is This Room Anyway?**
Grade Levels:	5-8 grade
Curriculum Areas:	💻 Math
Measurable Objectives:	💻 **Lesson Objectives:** 💻 TSW measure the dimensions of different objects in the classroom. 💻 TSW create a scale model of a classroom blueprint using PowerPoint.
LA Comp. Curriculum:	💻 **Grade 5, Unit 3, Activity 4, How Big is This Room Anyway, GLE 30**
Grade Level Expectations (GLE)	30. Construct, interpret, and use scale drawings in real-life situations (G-5-M) (M-6-M) (N-8-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:	Microsoft Power Point, computers, presentation station, printers
Procedures:	**Introduction:** 1. TTW enter room dressed like a construction worker wearing tool belt). TW announce to students that they will be making a blueprint of their classroom so that other classrooms can be built just like theirs. **Procedures:** 1. TW Assign students the task of measuring the classroom dimensions. TS will choose 6 items from the classroom they would like t measure (windows, doors, bulletin boards, desks, etc). 2. Have the class determine a scale that would fit on a piece of paper. The class will discuss what would be a good conversion unit to choose. (About ½ inch per foot). 3. TSW measure the room and the items they choose. TSW record all measurements on chart and then convert to blueprint measurements. **4.** TSW use PowerPoint to create their blueprint. They will use the auto shapes and the ruler on PowerPoint to create shapes for their blueprint. When all objects have been placed in their blueprint the students will start a new slide of PowerPoint. In the new slide they will tell why they choose those specific items for their blueprints. **Closure:** Students will use the teacher's presentation station to share their blueprints.
Materials:	Measuring tape, paper/pencil, measurement charts, PowerPoint, computers, printers, presentation station
Assessment:	Completed Blueprints, completed measurement charts, teacher observation
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School:	💻 Loranger Middle/ Amite West Side