Technology-Connected Lesson Plan

Title:	**Rotations on the Go!**
Grade Levels:	2nd Grade
Curriculum Areas:	Mathematics Technology
Measurable Objectives:	TSW practice rotations using Microsoft Word. TSW complete rotations on Word document.
LA Comprehensive Curriculum:	Grade 2 : Unit 6: Shape up and Dividing Mathematics Activity 19: Letter Rotation
Grade Level Expectations: (GLEs)	31. Recognize, extend, create, and explain patterns that involve simple rotations or size changes with geometric objects (P-1-E) (P-2-E)
K-12 Educational Technology Standards:	***1.*** **Technology Research Tools** ***(Linking and Generating Knowledge Foundation Skill)*** ♦ Students use appropriate technology to locate, evaluate, and collect information from a variety of sources. ♦ Students use technology tools to process data and report results. ♦ Students evaluate and select new information resources and technological innovations based on the appropriateness to specific tasks. **2. Social, Ethical, and Human Issues** ***(Citizenship Foundation Skill)*** ♦ Students understand the ethical, cultural, and societal issues related to technology. ♦ Students practice responsible use of technology systems, information, and software. ♦ Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity. **3. Basic Operations and Concepts** ♦ Students demonstrate a sound understanding of the nature and operation of technology systems. ♦ Students are proficient in the use of technology. 4. **Technology Productivity Tools** ***(Resource Access and Utilization Foundation Skill)*** ♦ Students use technology tools to enhance learning, increase productivity, and promote creativity. ♦ Students use productivity tools to work collaboratively in developing technology-rich, authentic, student-centered products.
Technology Connection:	TV/Computer/Scan Converter Microsoft Word Printer

Assessment:	💻 TSW complete Word document on Rotations.
Procedures:	💻 TTW review making rotations using several objects in the class. TTW draw several objects on the board and ask volunteers to rotate the items. 💻 TSW view the teacher's Word document. TTW explain using the TV/Computer/Scan Converter connection in the room. 💻 TTW show the students the tool to use to rotate the objects. 💻 TSW rotate to the computers in the room. TSW complete the rotations on the Word document and print the document for Assessment. 💻 TTW review by asking students to draw objects showing their rotations.
Materials:	💻 Board and Markers
Teacher's Name:	💻 Melanie A. Johnston
School:	💻 Independence Elem./Loranger Elem.