



# Technology-Connected Lesson Plan

<b>Title:</b>	<b>Patterns</b>
Grade Levels:	🖨️ Kindergarten
Curriculum Areas:	🖨️ Math
Measurable Objectives:	🖨️ TSW create patterns using KidPix 4 software.
LA Comprehensive Curriculum:	🖨️ Math, Unit 2: Here It Goes Again 🖨️ Activity 5: Pattern Necklaces (GLE's 17, 24)
Grade Level Expectations: (GLEs)	🖨️ 17. Compare, contrast, and sort objects or shapes according to two attributes (e.g., shape and size, shape and color, thickness and color) (G-2-E) 🖨️ 24. Recognize, copy, name, create, and extend repeating patterns (e.g., ABAB, AABB, ABBA) using concrete objects, shapes, pictures, numbers, and sounds (P-1-E)
K-12 Educational Technology Standards:	<p><b>1. Technology Research Tools (<i>Linking and Generating Knowledge Foundation Skill</i>)</b></p> <ul style="list-style-type: none"> <li>◆ Students use appropriate technology to locate, evaluate, and collect information from a variety of sources.</li> <li>◆ Students use technology tools to process data and report results.</li> <li>◆ Students evaluate and select new information resources and technological innovations based on the appropriateness to specific tasks.</li> </ul> <p><b>2. Social, Ethical, and Human Issues (<i>Citizenship Foundation Skill</i>)</b></p> <ul style="list-style-type: none"> <li>◆ Students understand the ethical, cultural, and societal issues related to technology.</li> <li>◆ Students practice responsible use of technology systems, information, and software.</li> <li>◆ Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.</li> </ul> <p><b>3. Basic Operations and Concepts</b></p> <ul style="list-style-type: none"> <li>◆ Students demonstrate a sound understanding of the nature and operation of technology systems.</li> <li>◆ Students are proficient in the use of technology.</li> </ul>
Technology Connection:	🖨️ TV/Scan Converter/ Computer 🖨️ KidPix 4 🖨️ Printer
Assessment:	🖨️ TSW print a pattern created using KidPix4 software.
Procedures:	🖨️ TTW begin the lesson by asking several volunteers to come to the front of the room. TTW arrange the students in a pattern. TTW ask the students if they see a pattern among

	<p>the students. (ex. Boy/girl/boy/girl or short/tall/short/tall)</p> <ul style="list-style-type: none"> <li>🖥️ TTW tell the students that today they will be practicing making patterns.</li> <li>🖥️ TTW give each student a bag containing several shapes. TTW create a pattern on the board using the shapes from the bags. TTW ask the students to repeat the pattern using their shapes inside their bags. TTW walk around to check for understanding.</li> <li>🖥️ TTW then move to the computer station. TTW open KidPix 4 and demonstrate using the stamp tool how to make a pattern.</li> <li>🖥️ TTW allow the students to rotate to the computers to create several patterns within the KidPix slide.</li> <li>🖥️ TSW print their patterns.</li> <li>🖥️ TTW allow students to share their printed patterns with the class.</li> <li>🖥️ As a review, TTW again ask for volunteers to come to the front of the room. TTW ask students to decide on a pattern using the student's shirt colors. (ex. White shirt/blue shirt/white shirt/ blue shirt) TSW arrange them in a pattern.</li> </ul>
<p><b>Materials:</b></p>	<ul style="list-style-type: none"> <li>🖥️ TV/Scan Converter/Computer</li> <li>🖥️ Pattern Bags</li> <li>🖥️ Printer</li> </ul>
<p><b>Teacher's Name:</b></p>	<ul style="list-style-type: none"> <li>🖥️ Melanie A. Johnston</li> </ul>
<p><b>School:</b></p>	<ul style="list-style-type: none"> <li>🖥️ Independence Elem./Loranger Elem.</li> </ul>