LEARNING PLAN- 8th Grade

**Exploratory Activities**
- Flip and Skip
- “Guess My Rule”
- Lane County Mathematics Project Problem Solving in Mathematics 8 “Patterns” p.55

**Concept Development Activities**
- Pascal’s Triangle Activities
- NCTM Student Math Notes (Sept. 1992) Picture Patterns
- Algebra Thinking 1st Experience: Patterns 8-13 (graph table data)
- Variables and Patterns: Investigation 4

**Basic Facts and Standard Algorithms Formalized**
- Find the number in a sequence: Module 1-Practice and Application
- Patterns and Rules: Applications pp. 54-59
- Investigation 4 Additional Practice pp.138-139
- Passport to Mathematics pp. 168-171

**Materials and Resources**
- Creative Publications:
  - Algebra Puzzles and Problems Gr. 6
  - Algebra 1st Thinking Experience
  - Patterns and Functions with Rainbow Cubes
- Connected Math: Variables and Patterns

**Related TEKS**
- **TEKS:** 8.4.A, 8.5.A, 8.5.B,

**Concept**
- Variables and Relations

**Originality and Creativity**
- **Student Products**
  - **Written**
  - Write a written description of an original pattern.
  - **Verbal**
  - Describe a pattern that you created.
  - **Kinesthetic**
  - Act out an original pattern.
  - **Visual**
  - Build a model of an original pattern.

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