

Jay Curriculum: Unit Cover Page

Unit title: Patterning

Grade Level: 1

Content Area(s): Math

Date Created:

Designed By:

**Year 1
Map & Template Development**

- Map/Matrix Completed
- Material & Resources Listed
- Draft Design Template Completed
- Initial Draft Template Document

**Year 2
Piloting**

- Develop:
- Performance Tasks
- Other Assessments
- Scoring Rubrics
- Piloted

**Year 3
Review & Complete Assessment**

- Performance Tasks Development
- Other Assessments Completed
- Scoring Rubrics Completed
- Reviewed/Revised Templates

Year 4

- Full Implementation
- Benchmarks Established

Standard(s)/Performance Indicators:

G Math
1, 3

Unit: Patterning

Brief Summary of Unit/Topic

Summary:

Recognize and create patterns (AB, AB, ABC ABC, etc.) through pictorial representation and use of manipulatives.

Stage #1: Identify Desired Results

Essential Question/s:

General understanding/s (What is worth being familiar with?)

Children will understand that patterns exist and can be copied and extended.

Students will know:

- Patterns must repeat
- Patterns can be found in a variety of places

Students will be able to:

- Create and copy and extend simple patterns (AB, AB, or ABC, ABC)
- Find patterns in their environments

Enduring Understanding/s:

Patterns can be used in everyday lives to solve problems.

Stage #2: Evidence

What evidence will students have to provide in order to demonstrate that they have developed the skills, knowledge and understanding to successfully complete this unit?

Performance Tasks/Products/other assessments Performance tasks should have a <u>scoring guide</u> .	<i>Performance Indicators</i> for this task.* Example: ELA: C- 1,2,3 Science: B- 3,5,7 SS His: H- 2	<u>Modalities</u> K =Kinesthetic O =oral V =visual W =written	Are <u>examples</u> available to students? ? Y, N, or N/A	Component of Local Assessment System? Y or N (See <u>aligned scoring guide</u> .)
Students will recognize that patterns occur and use them to solve problems.	G1			
Students will construct and extend numerical patterns	G3			
QUIZZES, TESTS, PROMPTS				
Chapter Test – 70%				
Construct a pattern using paper pieces and pattern blocks – 85%				
OTHER:				
Math worksheets				
Teacher observations				
Problem of the Day				
Quick Quiz				

*Abbreviate: English Language Arts= ELA, Career Preparation=CP, Modern and Classical Languages=MCL, Social Studies=SS, Visual and Performing Arts=VPA

Stage #3: Plan learning experiences & instruction

What teaching & learning experiences may equip students to develop & demonstrate the targeted understanding(s)? (activities/plans):

1. Calendar
2. Oral counting by 5, 10, and 2's to 20.
3. Computer program (Miller Math House Whole #'s Math Finder)
4. Apple patterns
5. Leaf patterns
6. Math their way – tube
7. Days of the week
8. Dot to date
9. Pattern Blocks
10. Literature books

REFERENCES: