

**PLANNING AHEAD:**

- Pattern Strips are needed for Week 17
- Memory Grid needed for Week 18

(Refer to Teacher's Resource Guide for templates)

**RELATED RESOURCES:**

- TE pages A14, A16, B13 and C1-2
- Monitoring Student Progress and Wrap- up

**Week 17****BIG IDEAS:**

- Patterning
- Core Units of Patterns
- Counting

**OBJECTIVES:**

- To recognize, duplicate, and extend repeating patterns
- To recognize the CORE UNIT of repeating patterns
- To count to 10 and beyond

**OVERVIEW:**

- What types of patterns can the child recognize and create?
- Can the child name the core unit (the unit/group that repeats)?
- To what amount can the child count and produce?

**WHOLE GROUP:**

Monday - "Oh Dear What Can the Pattern Be?", Pattern Strips (The Core)

Tuesday - Count and Move in Patterns, Cube Patterns

Wednesday - Listen and Copy, Cube Patterns

Thursday - Count and Move in Patterns, Cube Patterns

Friday - Listen and Copy, Cube Patterns

**SMALL GROUP:** Pattern Strips (The Core)

**Objective:**

- To recognize, duplicate, and extend repeating patterns

**Materials:** Pattern Blocks, flat plastic stirrers, and Pattern Strips (found in Teacher's Resource Guide)

**What to look for:** What types of patterns can the child recognize and create?

**Sample Codes:** D = Duplicates pattern below the strip

E = Extends pattern beyond the strip

**Trajectory Name:** Pattern Duplicator / Pattern Extender

**Things to Consider when planning and implementing:**

- You may want to make two copies of each strip and glue/tape them together so that each pattern strip shows 3 repetitions of the core unit.
- Remember that the core unit is the smallest unit that repeats.

**Reminder:** use three repetitions of the core unit before asking what the pattern is

You can ask the children:

- "What is it that repeats?"
- "What is the core unit?" (think about: patterning with the answers generated from the focus question: *What is Darkness?*)
  - "Sun, Moon"
  - You can emphasize this for the children by say "sun, moon, AND sun, moon, AND, sun, moon, AND.."
  - Create repeating core units with familiar shapes such as "triangle, square"

**HANDS ON CENTER:**

- Pattern Strips (The Core)
- Stringing Beads
- Build Cube Stairs
- Pattern Strips (The Core)

**COMPUTER ACTIVITIES:**

- Pattern Planes 2
- Marching Patterns 2

Reminders: BB games are to be updated weekly (preview games for your own understanding of the activities), computers are another great area to differentiate for students requiring additional support

**MATH THROUGHOUT THE YEAR:**

- Clothes Patterns
- Pattern Walk
- People Patterns
- Pattern Playgrounds

**DAILY REVIEW QUESTIONS:**

- How did you figure out a patterns core unit?
- How did you finish patterns on the computer?
- How did you figure out how to make cube patterns?

**PLANNING AHEAD:**

- Week 18 prepare both 1-10 Dot Cards (dots only) and 1-10 Numeral Cards (numerals only) from the *Teacher's Resource Guide* for Memory Number