

Build It, Write It, Describe It

Elaboration 1 · Patterns made with materials

ELABORATION FOCUS

Creating a pattern with materials, writing the matching number sequence, and describing it so someone else can copy it.

LEARNING INTENTION I can build a pattern and describe it.

Build it

Count it

Write it

Describe it

Copy it

1

Build the Pattern

Step 1: build the first shape.
Step 2: add one more shape each time.

2

Write the Numbers

Step 3: count the sticks for each step. Step 4: write them as a number sequence.

3

Describe It Clearly

Step 5: say the start and the change. Step 6: check a friend can copy it.

MODEL · A GROWING TRIANGLE PATTERN

Matchsticks make triangles: 1 triangle uses 3, 2 use 5, 3 use 7.

Step 1



1 triangle = 3 sticks

Step 2



2 triangles = 5 sticks

Step 3



3 triangles = 7 sticks

Number sequence: 3, 5, 7, 9 · start with 3 and add 2 each time

Describe it as: start with 3 and add 2 each time.

TEACHER MODELLING ROUTINE

I do → We do → You do

WATCH FOR

Counting shared sticks twice, or describing without saying the start.

REMEMBER

A good description says the start AND the change each time.

MATERIALS

Matchsticks, toothpicks, straws, counters, blocks, tiles, pattern strips.