

# Making Patterns with Technology

Elaboration 4 · Creating patterns with digital tools

## ELABORATION FOCUS

Using shape software or an AI tool to build a growing pattern, then talking about the instructions that made it.

**LEARNING INTENTION** I can write clear instructions for a pattern.

Plan it

Type it

Check it

Fix it

Explain it

1

### Plan the Pattern

Step 1: choose the shape. Step 2: decide the start and how many to add.

2

### Give the Instruction

Step 3: type the instruction clearly. Step 4: say the start and the change in it.

3

### Check and Improve

Step 5: count the shapes it made. Step 6: if it is wrong, make the words clearer.

## MODEL · AN INSTRUCTION THAT GROWS BY 3

We typed: draw a row of squares, start with 3 and add 3 more each row.

### WHAT WE TYPED

*"Start with 3 squares and add 3 more each row."*



The instruction gave a start and a change · 3, 6, 9, 12 squares

The tool made 3, 6, 9, 12 squares, because our instruction gave the start and the change.

**TEACHER MODELLING ROUTINE** I do → We do → You do

### WATCH FOR

Vague instructions like make a pattern, with no start and no change.

### REMEMBER

A clear instruction names the shape, the start and how much is added each time.

### MATERIALS

Shape software, drawing apps, a class AI tool on the board, grid paper.