

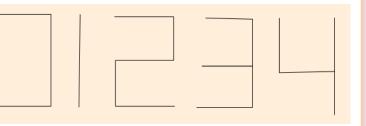
<u> Programming– Repetition in Shapes</u>

Construction

Prior Knowledge

In KS1, the children have studied how to move a robot and learnt about robot algorithms. They have also completed introductions to animations and quizzes. In KS2, they have created media through audio and photo editing and the Year 4 children have sequenced sounds in music and learnt about programming events and actions.

FD	100	RT	90
FD	200	RT	90
FD	100	RT	90
FD	200	RT	90



My Component Knowledge:

Lesson 1: I know that accuracy in programming is important.

Lesson 2: I can create a program in a text-based language.

Lesson 3: I can explain what repeat means in every day tasks and in sequencing.

Lesson 4: I can modify a count-controlled loop to produce a given outcome.

Lesson 5: I can decompose a task into small steps.

Lesson 6: I can create a program that uses count-controlled loops to produce a given outcome.

My Composite Knowledge:

I can use basic commands to draw shapes by repeating instructions.

My Powerful Knowledge:

I can use a text-based programming language to create programs by planning, modifying and testing commands to create shapes and patterns.

Key Vocabulary

Tier 1: Turtle

Tier 2: Program, commands, procedure

Tier 3: Code snippet. count-controlled loop, debug

What is a code snippet?



What comes next in this **repeating** pattern?

