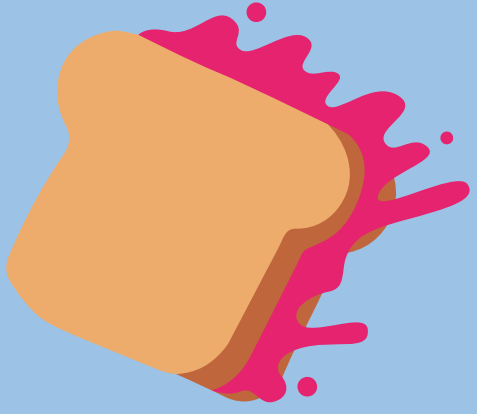


# KIDCODER: LET'S MAKE A JAM SANDWICH!



## PATTERN RECOGNITION



**5MIN**



**15MIN**

### STAGE 1

### AIM OF ACTIVITY



Have you ever done something over and over again in order to complete a task? This probably means there was a pattern! For example, in the sequence below can you guess what the pattern is:

2, 4, 6, 8, 10...

### WHAT YOU'LL NEED

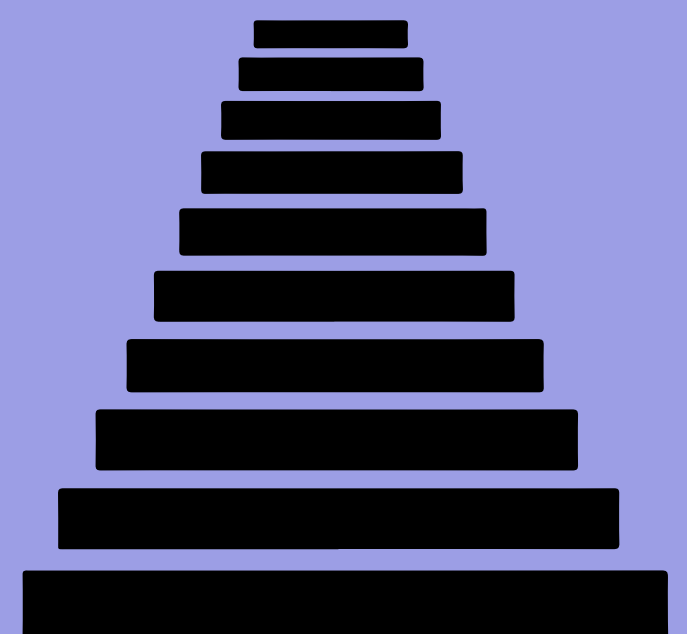
- A plate and a knife!

### WHAT YOU'LL GET OUT OF IT

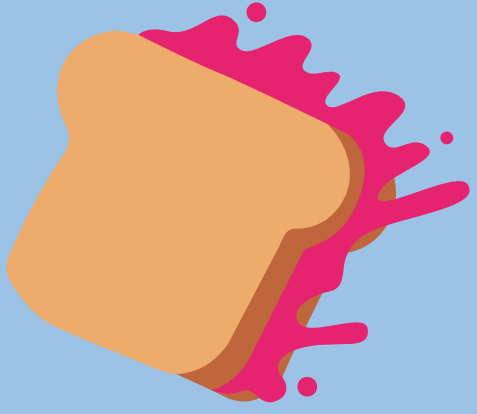
- Understand what it means to use pattern recognition
- Learn how to use pattern recognition when making a jam sandwich!

## PATTERN RECOGNITION

Pattern recognition is a cornerstone of computational thinking. By looking for similar things in problems, we are using pattern recognition. In our daily lives, this is usually when we do something with a repeated action, like walking upstairs. Recognising these actions can save us time in the long run, including when we're making a jam sandwich!



# KIDCODER: LET'S MAKE A JAM SANDWICH!

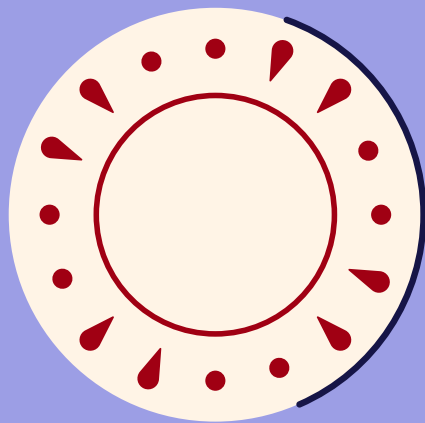


## PATTERN RECOGNITION

### WHAT TO DO

(1)

One particular repeated action (or pattern) when making a jam sandwich is spreading the jam with a knife.



(2)

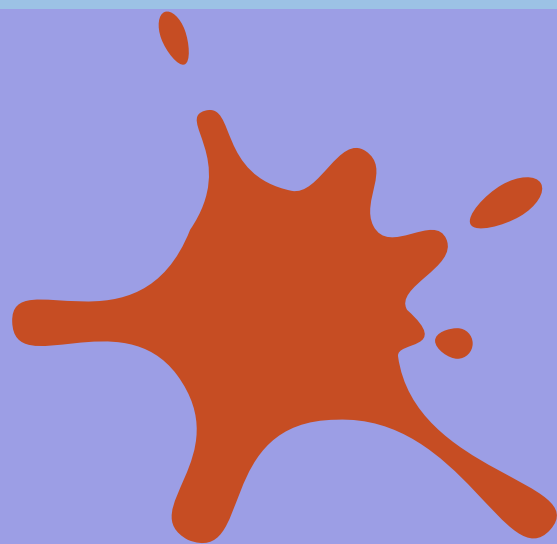
Can you recognise the pattern in this? What action with our hand are we repeating?



You can use the knife and plate to help you visualise!

(3)

How would the jam sandwich be different if we didn't do this repeated action of spreading?



(4)

Can you think of any other scenarios where spreading may come in handy?

### USING IN THE CLASSROOM

Imagine someone has never heard of the word 'spread'. In pairs, write a step-by-step guide for spreading jam on sliced bread. Try and notice the repetition in this, and see if you can do the same for any other action words!

### TAKE IT FURTHER

In pairs, try and think of another repeated action in the process of making a jam sandwich and answer the same questions for it!