



KIDCODER: LET'S BAKE A CAKE!



PATTERN RECOGNITION



5MIN



25MIN

STAGE 2

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

- Just yourselves - but do feel free to use props!

WHAT YOU'LL GET OUT OF IT

- Understand what it means to use pattern recognition
- Learn how to use pattern recognition when baking a cake!

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. Knowing when we'll repeat these actions can save us time in the long run, including when we're baking a cake!





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PATTERN RECOGNITION



WHAT TO DO

(1)

We can recognise the patterns in cakes by looking at the common characteristics that all cakes share.



(2)

In this way, once we know how to make one type of cake, we can follow this pattern and apply our knowledge when making others!

(3)

In pairs, try and think of as many shared characteristics between cakes as you can.

(4)

Choose one characteristic and see if another pair can guess what one you've chosen without speaking!

USING IN THE CLASSROOM

Draw 3 different types of cakes on a sheet of paper. You can be as creative as you like. Try and label the cakes based on the patterns between them. Each cake should have the same labels!

TAKE IT FURTHER

Now that we have the common characteristic between cakes, we can generalise even more! Can you think of the common characteristics between any baked goods?