KIDCODER: LET'S MAKE A JAM SANDWICH!
ABSTRACTION

5MIN

15MIN

STAGE 2

AIM OF ACTIVITY

How do we decide on what we need to complete a task? Sometimes it comes naturally and other times we have to think! In both cases we are using computational thinking...
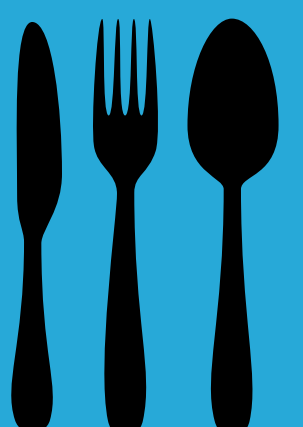
WHAT YOU'LL NEED

- A plate - for visualisation!

WHAT YOU'LL GET OUT OF IT

- Understand what it means to use abstraction
- Learn how we use abstraction when making a jam sandwich!

ABSTRACTION

Abstraction is part of computational thinking and we do it when we focus only on the important information that helps us to complete a task. You probably used abstraction today when choosing what utensil to eat your breakfast with! Abstraction also helps us to get rid of information we don't need and we can do this when making a jam sandwich!

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ABSTRACTION

WHAT TO DO

(1)

Using the imaginary jam sandwich on the plate to help, we're going to use abstraction to remove all of its unnecessary detail!

(2)

Let's first look at the plate. Is there any particular colour or shape the plate has to be for a jam sandwich? Are there any necessary requirements for the plate?

(3)

What about the sandwich itself? What makes it a jam sandwich?

(4)

Keep going until you think you have all the basic requirements for making a jam sandwich!

USING IN THE CLASSROOM

In pairs, draw and label a jam sandwich in the middle of an A4 piece of paper in as much detail as you can. Add labels for things that may not be visible! Which labels are necessary for making a jam sandwich no matter what?

TAKE IT FURTHER

Can you think of a meal you have had recently? What were the basic requirements to be able to make it?