

KIDCODER: LET'S COOK SPAGHETTI BOLOGNESE!

PATTERN RECOGNITION



5MIN



25MIN

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

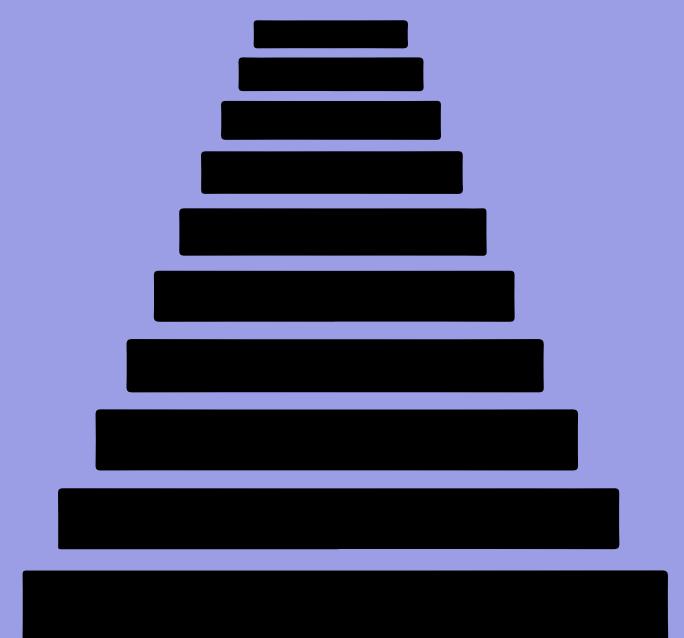
- Just yourselves - but do feel free to use props!

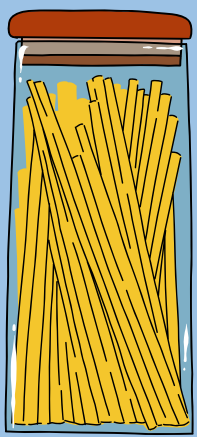
WHAT YOU'LL GET OUT OF IT

- Understand what it means to use pattern recognition
- Learn how to use pattern recognition to cook Spaghetti Bolognese!

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 making Spaghetti Bolognese!





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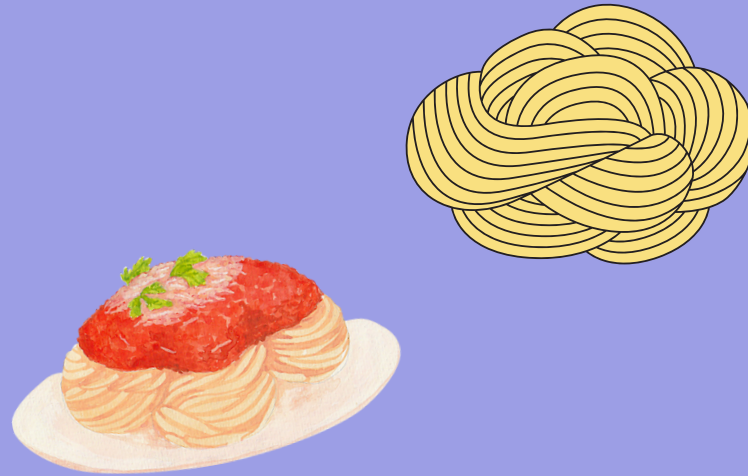
PATTERN RECOGNITION



WHAT TO DO

(1)

Get into small groups of about 3 or 4.



(2)

You have 10 minutes to try and think of a repeated action in the task of cooking Spaghetti Bolognese. You can be as creative as you like!



Maybe you can think of a dance to represent the action!

(3)

Going round each group, take it in turns to mime your action whilst everyone else guesses.

(4)

There is a maximum of 3 guesses to correctly guess your action so try and be as expressive as possible but remember, no speaking!

USING IN THE CLASSROOM

In pairs, write down as many repeated actions as possible in each step for cooking Spaghetti Bolognese. The pair with the highest total of correct actions will win a prize!

TAKE IT FURTHER

Using the actions that each group came up with, can you think of when you would need to use each action in the task of making Spaghetti Bolognese? Discuss this in your group!