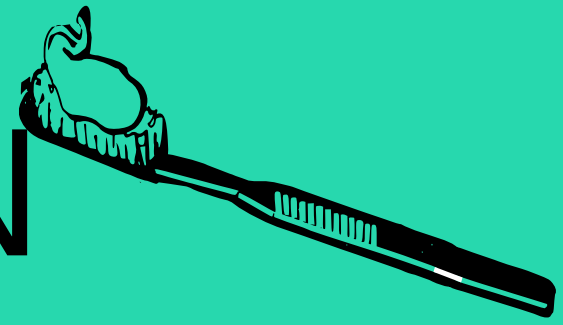


KIDCODER: LET'S BRUSH OUR TEETH!



PATTERN RECOGNITION



5MIN



15MIN

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:

1, 4, 9, 16, 25...

WHAT YOU'LL NEED

- An A3 size piece of paper or a whiteboard.

WHAT YOU'LL GET OUT OF IT

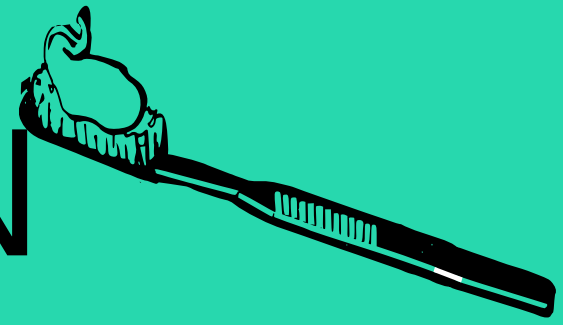
- Understand what it means to use pattern recognition
- Learn how to use pattern recognition when brushing our teeth!

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 brush our teeth!



KIDCODER: LET'S BRUSH OUR TEETH!



PATTERN RECOGNITION

WHAT TO DO

(1)

In the task of brushing our teeth, there is a part in the middle where we repeat our actions.

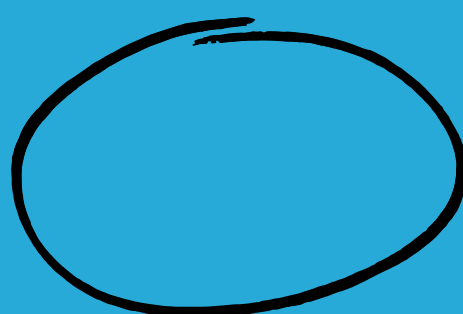


See if you can write down the steps for these in the shape of a loop.

(2)

(3)

Now can you think of some of the things we do that save us time when we repeat these steps?



(4)

How would brushing our teeth change if we didn't do these things?

USING IN THE CLASSROOM

In pairs, go through each of the steps for brushing your teeth and see if you can recognise the repeated actions in the steps.

TAKE IT FURTHER

Can you think of the importance of utilising pattern recognition in any other daily tasks?