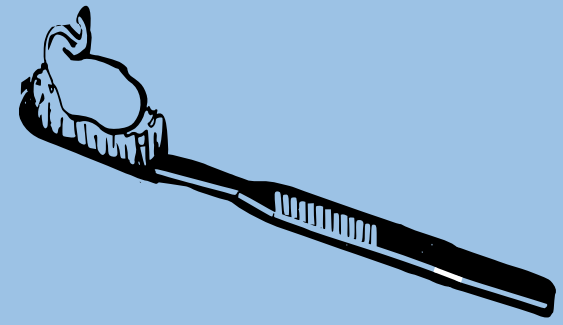


# KIDCODER: LET'S BRUSH OUR TEETH!

## DECOMPOSITION



**<5MIN**



**15MIN**

### STAGE 1

#### AIM OF ACTIVITY



What do we do when we face a big problem? One thing that can help is breaking the problem down into much smaller, easier problems.

#### WHAT YOU'LL NEED

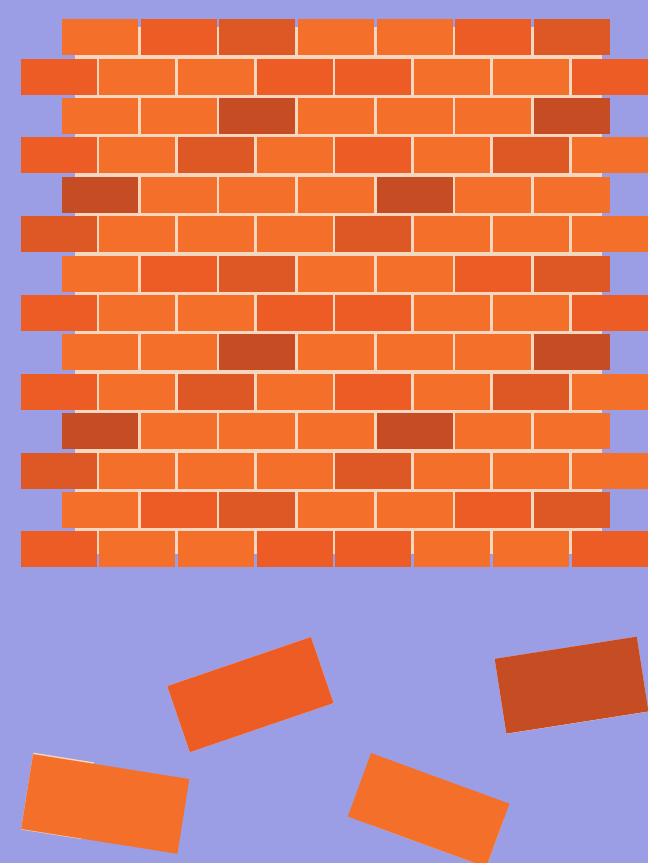
- Some pen and paper to jot down your thoughts!

#### WHAT YOU'LL GET OUT OF IT

- Understand what it means to use decomposition
- Learn how to use decomposition to brush your teeth!

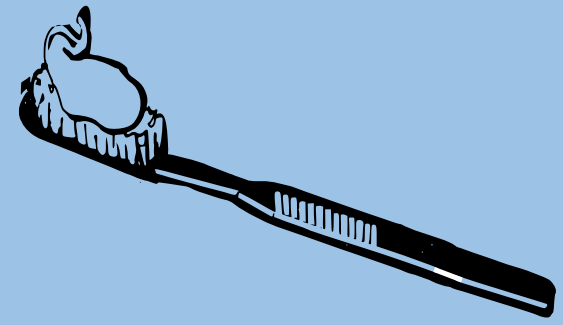
## DECOMPOSITION

Decomposition is part of computational thinking and it can be used to break down one big task into smaller, simpler tasks. In the same way, a wall can be broken down into each individual brick. Here we can use decomposition to break down the problem of brushing our teeth!



# KIDCODER: LET'S BRUSH OUR TEETH!

## DECOMPOSITION



### WHAT TO DO

(1)

Let's think back to this morning when we brushed our teeth so we can break it down!

(2)

Was there anything you needed to do before you brushed your teeth? Which items did you need to brush your teeth?

(3)

Whilst we were brushing our teeth, what actions did we do?

(4)

How did we know we had finished brushing our teeth? Did we do anything after this?



(5)

Keep going until you've thought of all the steps you completed in order to brush your teeth this morning!

### USING IN THE CLASSROOM

In pairs, 'set the scene' for brushing our teeth, like we do when writing a story. You can be as creative as you like, as long we can brush our teeth!

### TAKE IT FURTHER

Focusing on an answer to just one of the questions that were asked earlier, try and ask the same questions again to see if your answer can be broken down further.