KIDCODER: LET'S GET DRESSED FOR SCHOOL!
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 when getting dressed for school!

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!
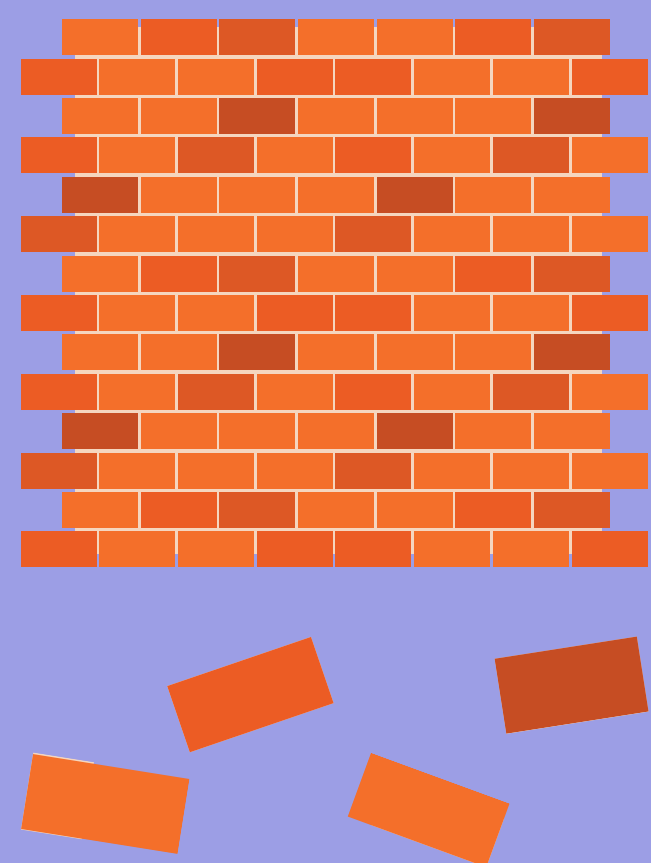
KIDCODER: LET'S GET DRESSED FOR SCHOOL!
DECOMPOSITION
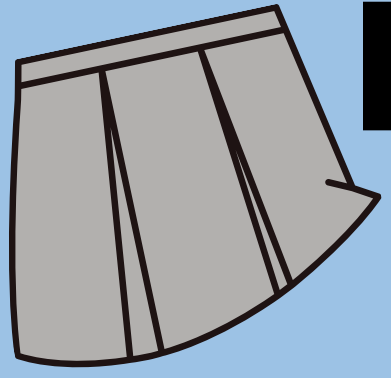
WHAT TO DO

(1)

Let's think back to this morning when we got dressed for school so we can break it down!
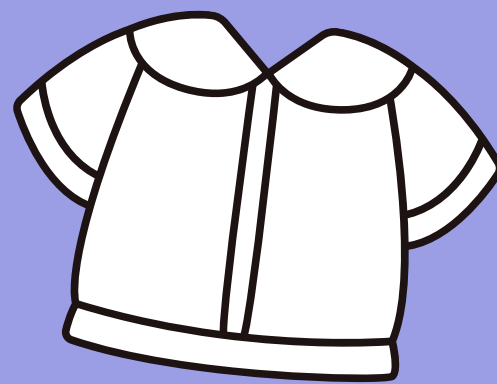
(2)

Was there anything you needed to do before you got dressed for school? Which items did you need to get dressed for school?

(3)

Whilst we were getting dressed for school, what actions did we do?

(4)

How did we know we had finished getting dressed for school? Did we do anything after this?

(5)

Keep going until you've thought of all the steps you completed in order to get dressed for school this morning!

USING IN THE CLASSROOM

In pairs, 'set the scene' for getting dressed for school, 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.