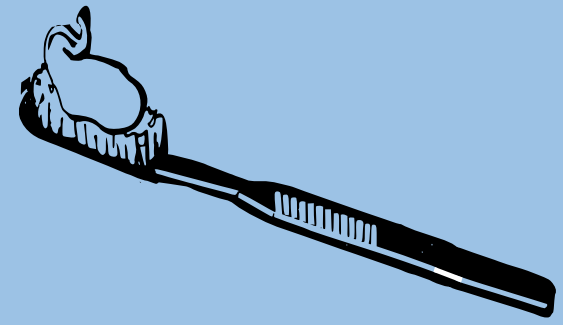# KIDCODER: LET'S BRUSH OUR TEETH!
ABSTRACTION

10MIN

20MIN

STAGE 1

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

- Plenty of objects and ingredients found in the bathroom, including those needed to brush your teeth!

Examples: A sponge, toothbrush, toilet roll, toothpaste, floss
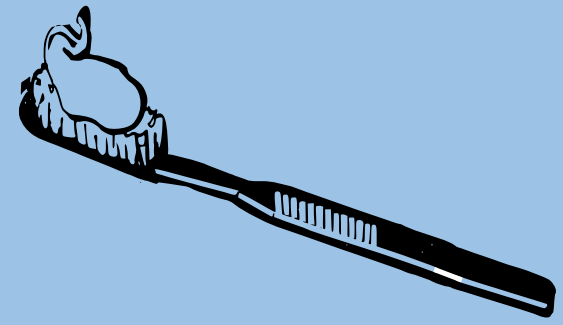
WHAT YOU'LL GET OUT OF IT

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

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! We're going to use abstraction to help us choose the most important items for brushing our teeth!

KIDCODER: LET'S BRUSH OUR TEETH!
ABSTRACTION

WHAT TO DO

(1)

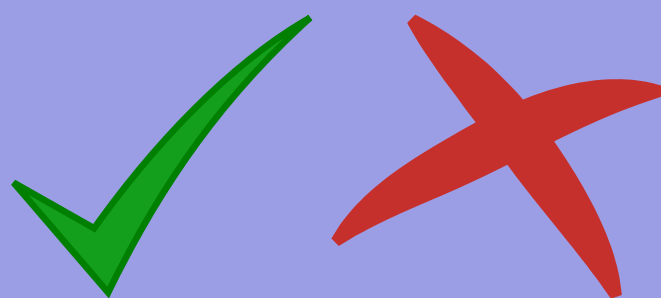Stand on one side of the room, and place the items on the other side of the room.

(2)

With the help of everyone, a volunteer should get the most important item needed to brush your teeth and say why it was chosen.

(3)

Try and make sure everyone agrees but it doesn't matter if you have different opinions, this can be discussed later!

(4)

Every time the next most important item is chosen, ask the question: "Can we brush our teeth with just these items?" Keep going until you can say yes!

(5)

If you want to you can play again with different volunteers and see if different items are chosen!

USING IN THE CLASSROOM

Get into pairs and think of as many items need to brush your teeth as you can. Now try and write them down in order of priority, adding a sentence or two as to why each item is in that position.

TAKE IT FURTHER

Let's take the most important item chosen for brushing our teeth. Is there any way we could brush our teeth without this item? Try and find an alternative solution. Do the same with the other items in order of priority!