

Year 4 Afternoon Learning –

Week beginning Monday 1st February 2021

This is your learning for Computing:

Algorithms

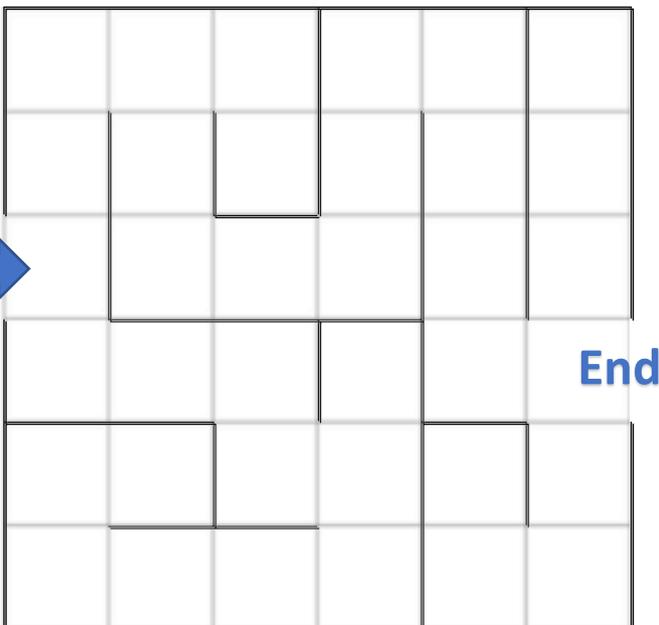
What is an algorithm?

An algorithm is a set of instructions designed to perform a specific task. This can be a simple process, such as multiplying two numbers, or a complex operation, such as a computer downloading and playing a video. Here's an example of a real-life algorithm:

Get two slices of bread. Butter both slices on one side with a knife. Put cheese on bread. Put one slice of bread on top of other slice of bread. Eat.

That was an algorithm for making a cheese sandwich. Notice how it is important that it is specific (such as telling you to only butter *one* side of the bread), and that it is in the right order (such as telling you to eat at the *end*, when the sandwich is finished).

In the space underneath or on your own paper, write a simple algorithm for how to brush your teeth. Make sure it is clear and in the right order!



Follow the algorithm to find the way out of the maze. Tick off the steps as you do them.

- Enter the maze.
- Turn left. Go forward 2 squares.
- Turn right. Go forward 1 square.
- Turn right. Go forward 2 squares.
- Turn left. Go forward 2 squares.
- Turn left. Go forward 2 squares.
- Turn right. Go forward 1 square.
- Turn right. Go forward 3 squares.
- Turn left. Go forward 1 square.
- Exit the maze.

