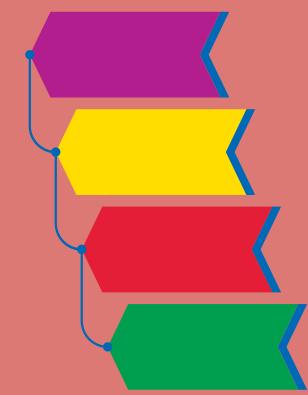
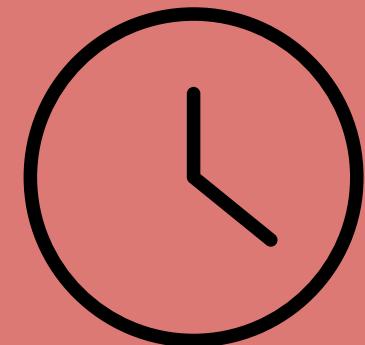


KIDCODER: ALGORITHMS



<5MIN



20MIN

STAGE 3

WHAT YOU'LL NEED

- The given attachment sheet

AIM OF ACTIVITY



Sometimes we can know what to do to solve a problem but not how to do it. When we use computational thinking, we can figure out how to solve a problem step-by-step!

WHAT YOU'LL GET OUT OF IT

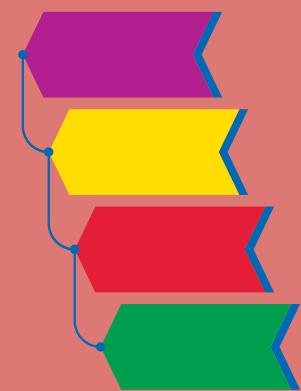
- Understand what it means to use algorithms
- Learn how we can use algorithms in our daily lives!

ALGORITHMS

Algorithms are step-by-step instructions that help us complete a task. It is all about doing things in the right order, like putting your socks on before your shoes when you get ready for school!



KIDCODER: ALGORITHMS

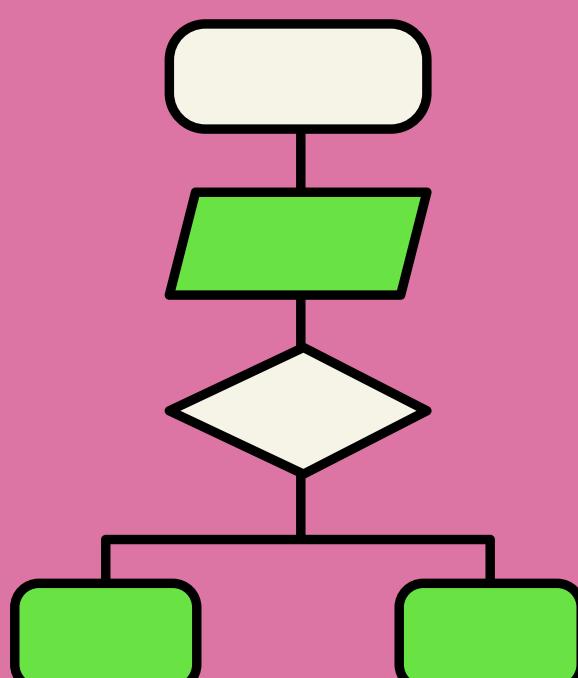


WHAT TO DO

(2)

(1)

When we are using algorithms, it can be helpful to use flowcharts to ensure we are completing instructions in the right order.



Flowcharts are diagrams that represent a set of instructions. They contain different symbols that represent the different aspects of completing a task.

(3)

Choose a simple task such as cooking your favourite meal, or getting ready for bed.

(4)



It may be helpful to have a look at some examples of flowcharts.

Try and write an algorithm for your task in the form of a flowchart.

USING IN THE CLASSROOM

Can you think of any routines you do regularly? These are algorithms! What is the importance of using algorithms in our daily lives? Discuss with your partner and write down what you think!

TAKE IT FURTHER

Write a detailed algorithm for walking from one side of the room to the other, and back again. Swap with someone and see if they can successfully complete the task by following your algorithm!