



# YEAR 6 Computing – Knowledge Organiser



## Focus: Coding



kidswhocode

## Overview:

In Computing this half-term, we will be focusing on Coding. We will discover what coding is, where it is used and how to create our own code.

## Key Vocabulary:

Input  
Output  
Algorithm  
Program  
Sequence  
Loop  
Debugging  
Variable  
Function  
Conditionals

## What to expect in lessons:

1



To identify errors within a sequence of code and correct it.

2



To develop code that responds to user input.

3



To develop code that responds to timed events

4



To explore develop code that uses conditionals.

5



To code a Microbit enabling you to play games of rock, paper, scissors.

6

To code a Microbit to allow you to use it as a step-counter.

## Key Skills:



I Can...

Define key coding vocabulary



Develop code fit for purpose



Identify and correct errors within code



## Skills you can draw upon to help in this topic...



Knowledge and ability to problem solve.



The skills to carefully plan ahead.



Perseverance – It may take a few attempts to get your coding exactly as you



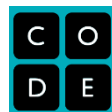
Attention to detail – Every piece of entered code will affect the output.

## Did you know...

Programming first started in 1883 by Ada



## Software For Extra Practice:



You can use CODE software at home to consolidate your



Scratch uses similar coding and is a great tool for extra

## Websites For Extra Support:

Scan QR Code

