## Amblecote Primary School—Knowledge Organisers

Phase: 5/6 Subject: Computing Focus: 6.1 Coding Term: Autumn



## What I should already know?

This work builds on what I leant in Years 1 to 5 about Coding.

	<u>Vocabulary</u>				
Action	Types of commands, which are run on an object. They could be used to move an object of change a property.				
Alert	This is a type of output. It shows a pop-up of text on the screen.				
Algorithm	a precise step by step set of instructions used to solve a problem or achieve an o				
Bug	A problem in a computer program that stops it working the way it was designed.				
Code Design	Design what a program will look like and what it will do.				
Command	A single instruction in a computer program.				
Control	These commands determine whether parts of the program will run, how often and sometimes, when.				
Debug/ Debugging	Looking for any problems in the code, fixing and testing them.				
Event	Something that causes a block of code to be run.				
Function	A type of procedure or routine.				
Get Input	This puts the text that a user types into the computer's temporary memory to be used t control the program flow.				
If	A conditional command. This tests a statement. If the condition is true, then the commands inside the block will be run.				
If/Else	A conditional command. This tests a statement. If the condition is true, then the commands inside the 'if block' will be run. If the condition is not met, then the commands inside the 'else block' are run.				
Input	Information going into the computer. Can include moving or clicking the mouse, using the keyboard, swiping and tilting the device.				
Output					
Object					
Repeat					

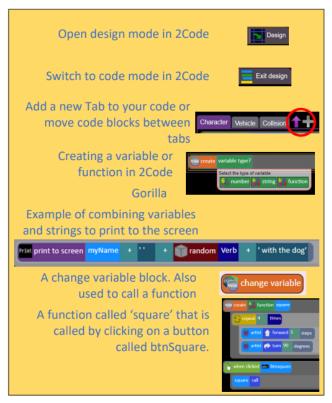
## Knowledge

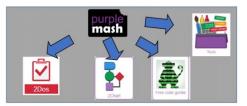
Coding is the method of giving instructions to a computer to perform a specific task.

Coding, or computer programming, is a creative process programmers perform to tell a computer how to perform a task.

Coding teaches us how to think!

There are an increasing number of businesses who rely on computer code, not just those in the technology sector; Computer programming is the future





## By the end of the unit I should know...

How to use the program design process, including flowcharts, to develop algorithms for more complex programs.

How to code, test and debug from these designs.

How to use functions and tabs in 2Code to improve the quality of the code.

How too code user interactivity using input functions.

Question 2	<u>Start</u> of Unit	End of Unit	Question 5	<u>Start</u> of Unit	End of Unit
			Don't know		
Don't know			DON'T KNOW		
Question 2	<u>Start</u> of Unit	End of Unit	Question 6	Start of Unit	End of Unit
Don't know			Don't know		
Question 3	<u>Start</u> of Unit	End of Unit	What I would like to find out?		
Question 3	Start of Unit	End of Unit	What I would like to find out?		
Question 3	Start of Unit	End of Unit	What I would like to find out?		
	Start of Unit	End of Unit	What I would like to find out?		
Question 3  Don't know	Start of Unit	End of Unit	What I would like to find out?		
	Start of Unit	End of Unit	What I would like to find out?    Start   End of	<u>S</u>	
Don't know	Start of Unit	End of Unit		S	
Don't know	Start of Unit	End of Unit		<u>S</u>	
Don't know	Start of Unit	End of Unit		S	