## What I should know already...

Control motion by specifying the number of steps to travel, direction and turn.
Add text strings, show and hide objects and change the features of an object.
Control when drawings appear and set the pen colour, size and shape.

### Key Skills

| | |
|---|---|
| Use specified screen coordinates to control movement in one quadrant | Using 2logo move the sprite around the screen following particular instructions. Code and debug. |
| Set the appearance of objects and create sequences of changes (size). | Can they change the size of the pen? Use the pen up and pen down function? |
| Control the shade of pens. | Change the colour of the pen as they move around the 2logo screen. |
| Create and edit sounds. Control when they are heard, their volume, duration and rests (using clicks). | Use the buttons to create timers and use sounds in 2Code. |
| Specify conditions to trigger events. | Use triggers, such as mouse clicks, to make events happen. Debug errors. |
| Use one IF THEN conditions to control events or objects. | Understand that If something happens there will be an outcome. Use the IF THEN function to make things happen. |
| Create conditions for actions by waiting for a user input (such as proximity to a specified colour or a line or responses to questions). | Use the 2Code programmes to investigate different user inputs and how they will affect an outcome. |

### Hardware and software

2 logo The minotaur's maze, River rapids, The Turing test. 2 code chimp:
Tick tock clock, magician, jumping monkey, superheroes, sparklers, rockets, night and day, Newton's apple.
Debug challenges chimp
Free chimp
J2E year 3 example

**purple mash**

**Hurst Hill Primary School**
**Learning Together**

## Key Vocabulary

| Control | To make an object do what you want it to |
|---|---|
| IF THEN | IF something happens THEN something else will happen |
| Algorithm | An instruction given to the computer. |
| Sequence | A set of instructions for the computer to follow. |
| Test | Check that the instructions do what you want. |
| Debug | Look for problems in the sequence and change the algorithms. |
| Logo | An application used to move an object from one place to another. |
| Identity | How yourself and others see you– the way you act and present yourself. |
| Object | Something on screen which we can control. |
| Loop | When actions are repeated |
| Actions | Something that we make the object do. |

## Real World

Use the day and night 2code and rocket to create a simulation of the rotation of the Earth causes day and night.

## Useful websites
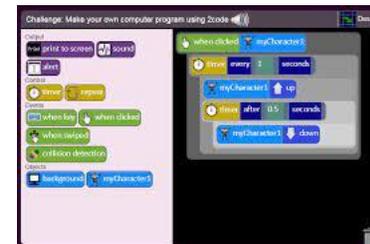
| | |
|---|---|
| **https://www.thinkuknow.co.uk/** | If you want to know more about staying safe online |
| **www.hursthillprimaryschool.com›unify** | Hurst Hill unify site to access emails and applications-**J2E and Purple Mash** |
| **www.hursthillprimaryschool.com** | The school website |
| **https://www.purplemash.com/login/** | Purple mash login– look up the schools log in page using the post code WV14 9AJ |

## Online safety

I can think about my identity and can understand that my identity might change when I am online.
I can explain how it might change and what effect this will have on me.
I can explain some of the risks associated with communicating online.
I know that knowing someone online and knowing someone in real-life is different.
I know that what I say online cannot be taken back.