

Sticky Knowledge – Computing

Class – Willows

Year 4



Online Safety/ Effective Searching

Autumn 1

- Can I explain what the term phishing is?
- Can I explain the risks of downloading things online?
- Can I explain how much time I should spend online?

Coding

Autumn 2

- Can I create a program that includes an IF statement?
- Can I make use of the X and Y properties of objects in their coding?
- Can create a program that includes an IF/ ELSE statement?
- Can I explain what a variable is in Programming?
- Can I create and use variables when programming?

Spreadsheets

Spring 1

- Can I use a formula to a cell to automatically make a calculation in that cell?
- Can I use the timer, random number, and spin button tools?
- Can I use a series of data in a spreadsheet to create a line graph?
- Can allocate values to images and use these to explore place value?

Writing for different audiences/Logo

Spring 2

- Can I use text formatting to make a piece of writing fit for its audience and purpose?
- Can I use the incoming information to write their own newspaper report?
- Can I follow simple instructions to create shapes in 2Logo?
- Can I create 2Logo instructions to draw patterns of increasing complexity?
- Can I create shapes using the Repeat command?
- Can I use the Procedure feature?

Animation/ Effective Searching

Summer 1

- Can I make a simple animation using 2Animate?
- Can I use the Onion Skin tool to create an animated image?
- Can I explain what stop motion is?
- Can I structure search queries to locate specific information?
- Can I analyse the contents of a web page for clues about the credibility of the information?

Hardware Investigators/Making Music

Summer 2

- Can I name the different parts of a desktop computer?
- Can I explain the function of computer parts?
- Can I create their own simple rhythm using Busy Beats?
- Can I experiment with pitch, rhythm, and melody to create a piece of house music on Busy Beats?