



Assessment area	Developing	Secure	Excellent
eSafety	<ul style="list-style-type: none"> Understand the importance of staying safe online Recognising the dangers of using social media. Know the importance of not sharing personal details online. 	<ul style="list-style-type: none"> Be able to identify fake news. Understand what Clickbait is and how to avoid it. Recognise inappropriate content, contact and conduct and know how to report concerns. 	<ul style="list-style-type: none"> Understand the aim of phishing emails. Explain why fake news is created. Be aware of the laws concerning cyberbullying, hate crime and freedom of speech.
Computational Thinking (Flowgorithm)	<ul style="list-style-type: none"> Describe what an algorithm is. Know flowcharts are a design tool. Identify the main flowchart shapes Create a basic flowchart using input and output. Understand that variables can be different data types. Be aware of the different types of iteration: FOR and WHILE loops. 	<ul style="list-style-type: none"> Explain decomposition and abstraction. Create a flowchart using variables. Understand the use of variables. Describe integer & string data types Explain sequence, selection and iteration. Describe the difference between a FOR loop and a WHILE loop. 	<ul style="list-style-type: none"> Apply decomposition and abstraction to solve a problem. Use selection & iteration in flowcharts. Explain the terms declare and assign when discussing variables. Demonstrate their ability to create programs with IF statements within loops
Word skills	<ul style="list-style-type: none"> Be able to open an existing document and create a new document Be aware of the main ribbon tabs Be able to create simple headings and paragraphs Be able to check spelling Be able to change fonts and align text Be able to insert images 	<ul style="list-style-type: none"> Be able to use styles to format text consistently Be able to use the search feature to find specific words/phrases Be able to use the column feature to change the text layout Be able to apply formatting to images Be aware of the different items that can be added using the Insert tab 	<ul style="list-style-type: none"> Be able to independently create a professional looking document Be able to add a header and footer Be able to insert a table and format it using the Table Tools tab, border painter and merging cells

Edublocks	<ul style="list-style-type: none"> • To understand the computers need clear instructions to work correctly • To be able to use the print command • To be able to state the concepts of sequence, selection & iteration • To be aware the data can be of different types 	<ul style="list-style-type: none"> • Be able to explain sequence, selection and iteration • Be able to describe the different data types • Be able to store data in a variable • Be able to use the input command • Be able to independently correct simple errors in a program • Be able to concatenate strings • Be able to use a for loop • Be able to explain what a function is 	<ul style="list-style-type: none"> • To be able to create a program that contains a while loop • To be able to independently correct more complex errors in a program. • To be able to make use of imported libraries such as time and turtle • Be able to create a function • Be able to independently create programs based on given scenarios.
Algorithms	<ul style="list-style-type: none"> • Use logical reasoning to explain how simple algorithms work. • Understand what machine learning is. • To be able to create simple Flowcharts to a given task 	<ul style="list-style-type: none"> • Understand basic searching and sorting algorithms. • Explain how machine learning models can be trained. • To be able to understand the concept of Pseudocode 	<ul style="list-style-type: none"> • Explain how the binary search and bubble sort work. • Explain machine learning using real life examples. • To be able to read and explain Pseudocode
Computer Control (Flowol)	<ul style="list-style-type: none"> • To be able to understand how computer systems can remotely control real world systems – Traffic lights • To be able to create simple programs – Zebra crossing 	<ul style="list-style-type: none"> • To be able to create programs that contain selection (IF) – Lighthouse/Pelican crossing • To be able to explain how the programs run and work. 	<ul style="list-style-type: none"> • To be able to control a motor within a program – Auto Home/Greenhouse • Use functions within a flowchart to perform repeated instructions.