Subject: Computing
Faculty: Innovation
Year Group: 7

EXCELLING (-, =, +)			
	**All of the secure criteria plus:** • Acting as a digital leader in the classroom supporting their peers. • Applying knowledge and skills consistently.	**All of the secure criteria plus:** • Use of code efficiency to improve runtime execution. • Creating real-world programs to serve a clear purpose.	**All of the secure criterion plus:** • Produce animations from layers. • Selecting, editing, and positioning photos to an expert standard.
SECURE			
	Autumn Term	**Spring Term**	**Summer Term**
	Assessment strategy: Formative and Summative in class tests 7.1 Digital Literacy	**Assessment strategy:** Formative and Summative in class tests 7.2 Programming (MicroBit)	**Assessment strategy:** Formative and Summative in class tests 7.3 Photo Editing (PhotoPea)
Pillar 1 - Declarative Knowledge This is sometimes referred to as conceptual knowledge. - It consists of the facts, rules and principles of the domain as well as the relationships between them. - It can be understood as 'knowing that'.	• Storing a strong password in the password manager. • Keeping files in folders with appropriate names. • How to stay safe online • How the search engine works. • App extensions available i.e. screen overlay.	**Everything from term 1 plus:** • 0-9 range for LED brightness. • Capitalise any images from the library. • How variables work. • Difference between show and scroll. • Maintainability of code i.e. comments, indentation • How to import/export code to MicroBit.	**Everything from terms 1 and 2 plus:** • Conventions of digital products. • Typography - the art of arranging letters and text. • Code as signs - denotation and connotation. • Lossy and lossless compression. • Workspace - open/save and navigation.
Pillar 2 - Procedural Knowledge This is knowledge of methods and processes that can be performed. - It can be understood as 'knowing how'. - Teaching the steps of these processes as knowledge helps pupils perform them more skilfully	• How to take screenshots, crop and resize. • Create, move, rename and delete folders. • Effective and efficient use of Google Suite software i.e. Drive, Slides and Classroom. • Print documents to the central printer. • Troubleshooting computer issues. • How to communicate through Email, EduLink and Meet.	**Everything from term 1 plus:** • Use of sequence to add a scrolling message on a MicroBit. • Create a custom image using the 25 LEDs. • How to use iteration to create a loop of text and images. • How to use selection 'if' and 'else' in programs to make decisions. • Import modules such as 'Random' to generate items from a list. • Use of Accelerometer to detect movement i.e. RPS game.	**Everything from terms 1 and 2 plus:** • Editing tools such as marquee, crop and lasso. • Colour replacement to change eye colour. • Use of layers to separate different elements of an image. • Applying effects and filters. • Brush panel - circular and pattern. • Desaturate elements of an image.
DEVELOPING (-, =, +)			
	Not yet secure with all of the criteria set out for the term.		