The Edward Worlledge Ormiston Academy Computing Curriculum

All children will be able:

Recall facts about how to use technology safely and responsibly.
Apply specific vocabulary to computer programming, including 'algorithm' and 'debug'.
Develop their own questions based on their curiosity of the subject.
Develop skills so they can create digital content using a range of computer software and use technology for a variety of purposes.

Autumn Term 1			
Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
5	Digital Literacy ❖ Revisited throughout the academic year	- I can discuss and evaluate the various uses of technology - I can choose a secure password and screen name - I protect my password and other personal information - I can explain why I need to protect myself and my friends and the best ways to do this, including reporting concerns to an adult - I know that anything I post online can be seen, used and may affect others - I know how to protect my computer or device from harm on the internet - I am positive and respectful online	Technology Secure Private Personal Harm Concerns Appropriate Respectful
Autumn Term 2			
Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
5	Information Technology – Microsoft PowerPoint ➢ Researching online	- I can use a search engine to find appropriate information and check its reliability - I can recognise and evaluate different types of information I find on the World Wide Web - I can use a keyboard confidently and make use of a spellchecker to write and review my work - I can use text, photo, sound and video editing tools to refine my work	Website Search engine Hyperlink Device Keyboard

		- I can select, use and combine the appropriate technology tools to create effects that will have an impact on others - I can select an appropriate online or offline tool to create and share ideas	Text Font Animation effects Slideshow
Spring Term 1			
Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
5	Information Technology – Microsoft Excel	- I can choose an appropriate tool to help me collect data - I can present data in an appropriate way - I can talk about mistakes in data and suggest how it could be checked - I can search a data table using conditions to refine my search	Data Bar chart Pie chart Line graph
Spring Term 2			
Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
5	Digital Literacy	- I can select an appropriate tool to communicate online (Email)	
Summer Term 1 & 2			
Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
5	Computer Science	- I can decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program - I can refine a procedure using repeat commands to improve a program - I can use a variable to increase programming possibilities - I can change an input to a program to achieve a different output - I can use 'if' and 'then' commands to select an action - I can use logical reasoning to detect and debug mistakes in a program - I use logical thinking, imagination and creativity to extend a program	Decompose Instructions Algorithm Programming Variable Efficient Predict Debug