

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
6	Digital Literacy ❖ Revisited throughout the academic year	<ul style="list-style-type: none"> - I can discuss and evaluate the various uses of technology - I protect my password and other personal information - I can explain the consequences of sharing too much about myself online - I support my friends to protect themselves and make good choices online, including reporting concerns to an adult - I know how to protect my computer or device from harm on the internet - I can explain the consequences to myself and others of not communicating kindly and respectfully online 	<ul style="list-style-type: none"> Technology Secure Private Personal Harm Concerns Appropriate Respectful
Autumn Term 2			
Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
6	Information Technology – Microsoft Publisher ➤ Researching online	<ul style="list-style-type: none"> - I can use a search engine to find appropriate information and check its reliability - I can talk about the way search results are selected and ranked - I can evaluate the reliability of a website - I can combine a range of media, recognising the contribution of each to achieve a particular outcome - I can use the skills I have already developed to create content using unfamiliar technology 	<ul style="list-style-type: none"> Website Search engine Hyperlink Device Keyboard Text Font Media

Spring Term 1

Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
6	Information Technology – Microsoft Excel	<ul style="list-style-type: none"> - I can select the most effective tool to collect data - I can check the data I collect for accuracy and plausibility - I can interpret the data I collect - I can present the data I collect in an appropriate way 	Data Bar chart Pie chart Line graph

Spring Term 2

Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
6	Digital Literacy	- I can select an appropriate tool to communicate and collaborate online (Email)	

Summer Term 1 & 2

Year Group	Area of study	Key Knowledge / People / Events / Dates / Etc	Key Vocab
6	Computer Science	<ul style="list-style-type: none"> - I can decompose a problem into smaller steps, recognising similarities to solutions used before - I can explain and program each of the steps in my algorithm - I can evaluate the effectiveness and efficiency of my algorithm while continually testing the algorithm - I can recognise when I need to use a variable to achieve a required output - I can use different inputs (including sensors) to control a device or onscreen action and predict what will happen - I can use logical reasoning to detect and correct errors in algorithms and programs 	Decompose Instructions Algorithm Programming Variable Efficient Predict Debug