

Kingsmoor Academy

Computing Overview

2017-2018

Key Stage One						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	PROGRAMMING	COMPUTATIONAL THINKING	CREATIVITY	COMPUTER NETWORKS	COMMUNICATION/ COLLABORATION	PRODUCTIVITY
Year 1 Ghana	<u>Unit 1.1 We are treasure hunters</u> <i>Planning, writing and testing computer programs for digital devices, from floor turtles to tablets.</i>	<u>Unit 1.2 We are TV chefs</u> <i>Some of the computer science foundations – algorithms, logical reasoning and decomposing problems into smaller parts.</i>	<u>Unit 1.3 We are painters</u> <i>Creating and refining original content using digital tools across a range of media.</i>	<u>Unit 1.4 We are collectors</u> <i>Using and understanding the internet, the web and search engines, effectively and safely.</i>	<u>Unit 1.5 We are storytellers</u> <i>Making the most of computers and the internet for communicating with one of many, and working together on projects.</i>	<u>Unit 1.6 We are celebrating</u> <i>Collecting and analysing date and information using computers; organising, manipulating and presenting this to an audience.</i>
Year 1 Italy	<u>Unit 1.1 We are treasure hunters</u> <i>Planning, writing and testing computer programs for digital devices, from floor turtles to tablets.</i>	<u>Unit 1.2 We are TV chefs</u> <i>Some of the computer science foundations – algorithms, logical reasoning and decomposing problems into smaller parts.</i>	<u>Unit 1.3 We are painters</u> <i>Creating and refining original content using digital tools across a range of media.</i>	<u>Unit 1.4 We are collectors</u> <i>Using and understanding the internet, the web and search engines, effectively and safely.</i>	<u>Unit 1.5 We are storytellers</u> <i>Making the most of computers and the internet for communicating with one of many, and working together on projects.</i>	<u>Unit 1.6 We are celebrating</u> <i>Collecting and analysing date and information using computers; organising, manipulating and presenting this to an audience.</i>
Year 2 Egypt	<u>Unit 2.1 We are astronauts</u> <i>Planning, writing and testing computer programs for digital devices, from floor turtles to tablets.</i>	<u>Unit 2.2 We are games' testers</u> <i>Some of the computer science foundations – algorithms, logical reasoning and decomposing problems into smaller parts.</i>	<u>Unit 2.3 We are photographers</u> <i>Creating and refining original content using digital tools across a range of media.</i>	<u>Unit 2.4 We are researchers</u> <i>Using and understanding the internet, the web and search engines, effectively and safely.</i>	<u>Unit 2.5 We are detectives</u> <i>Making the most of computers and the internet for communicating with one of many, and working together on projects.</i>	<u>Unit 2.6 We are zoologists</u> <i>Collecting and analysing date and information using computers; organising, manipulating and presenting this to an audience.</i>

Key Stage Two

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	PROGRAMMING	COMPUTATIONAL THINKING	CREATIVITY	COMPUTER NETWORKS	COMMUNICATION/ COLLABORATION	PRODUCTIVITY
Year 3 India	<p>Unit 3.1 We are programmers Planning, writing and testing computer programs for digital devices, from floor turtles to tablets.</p>	<p>Unit 3.2 We are bug fixers Some of the computer science foundations – algorithms, logical reasoning and decomposing problems into smaller parts.</p>	<p>Unit 3.3 We are presenters Creating and refining original content using digital tools across a range of media.</p>	<p>Unit 3.4 We are network engineers Using and understanding the internet, the web and search engines, effectively and safely.</p>	<p>Unit 3.5 We are communicators Making the most of computers and the internet for communicating with one of many, and working together on projects.</p>	<p>Unit 3.6 We are opinion pollsters Collecting and analysing data and information using computers; organising, manipulating and presenting this to an audience.</p>
Year 4 China	<p>Unit 4.1 We are software developers Planning, writing and testing computer programs for digital devices, from floor turtles to tablets.</p>	<p>Unit 4.2 We are toy designers Some of the computer science foundations – algorithms, logical reasoning and decomposing problems into smaller parts.</p>	<p>Unit 4.3 We are musicians Creating and refining original content using digital tools across a range of media.</p>	<p>Unit 4.4 We are html editors Using and understanding the internet, the web and search engines, effectively and safely.</p>	<p>Unit 4.5 We are co-authors Making the most of computers and the internet for communicating with one of many, and working together on projects.</p>	<p>Unit 4.6 We are meteorologists Collecting and analysing data and information using computers; organising, manipulating and presenting this to an audience.</p>
Year 5 Japan	<p>Unit 5.1 We are game developers Planning, writing and testing computer programs for digital devices, from floor turtles to tablets.</p>	<p>Unit 5.2 We are cryptographers Some of the computer science foundations – algorithms, logical reasoning and decomposing problems into smaller parts.</p>	<p>Unit 5.3 We are artists Creating and refining original content using digital tools across a range of media.</p>	<p>Unit 5.4 We are web developers Using and understanding the internet, the web and search engines, effectively and safely.</p>	<p>Unit 5.5 We are bloggers Making the most of computers and the internet for communicating with one of many, and working together on projects.</p>	<p>Unit 5.6 We are architects Collecting and analysing data and information using computers; organising, manipulating and presenting this to an audience.</p>
Year 6 Australia	<p>Unit 6.1 We are mobile app developers Planning, writing and testing computer programs for digital devices, from floor turtles to tablets.</p>	<p>Unit 6.2 We are project managers Some of the computer science foundations – algorithms, logical reasoning and decomposing problems into smaller parts.</p>	<p>Unit 6.3 We are marketers Creating and refining original content using digital tools across a range of media.</p>	<p>Unit 6.4 We are app planners Using and understanding the internet, the web and search engines, effectively and safely.</p>	<p>Unit 6.5 We are interface designers Making the most of computers and the internet for communicating with one of many, and working together on projects.</p>	<p>Unit 6.6 We are market researchers Collecting and analysing data and information using computers; organising, manipulating and presenting this to an audience.</p>