



Computing Curriculum Overview



	Programming	Computational Thinking	Creativity	Computer Networks	Communication & Collaboration	Productivity
Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	We are treasure hunters – Using programmable toys <ul style="list-style-type: none"> Algorithms Programming & Development Hardware & Processing 	We are TV Chefs – Filming the steps of a recipe <ul style="list-style-type: none"> Data & Data Representation Communications & Networks Information Technology 	We are painters – Illustrating an eBook <ul style="list-style-type: none"> Data & Data Representation Communications & Networks Information Technology 	We are collectors – Finding images using the web <ul style="list-style-type: none"> Communications & Networks Information Technology 	We are storytellers – Producing a talking book <ul style="list-style-type: none"> Data & Data Representation Information Technology 	We are celebrating – Creating a card electronically <ul style="list-style-type: none"> Communications & Networks Information Technology
Year 2	We are astronauts – Programming on screen <ul style="list-style-type: none"> Algorithms Programming & Development 	We are games' testers – Exploring how computer games work <ul style="list-style-type: none"> Algorithms 	We are photographers – Taking, selecting and editing digital images <ul style="list-style-type: none"> Data & Data Representation Hardware & Processing Communications & Networks Information Technology 	We are researchers – Researching a topic <ul style="list-style-type: none"> Communications & Networks Information Technology 	We are detectives – Communicating clues <ul style="list-style-type: none"> Data & Data Representation Communications & Networks 	We are zoologists – Recording bug hunt data <ul style="list-style-type: none"> Data & Data Representation Information Technology
Year 3	We are programmers – Programming an animation <ul style="list-style-type: none"> Algorithms Programming & Development 	We are bug fixers – Finding and correcting bugs in programs <ul style="list-style-type: none"> Programming & Development 	We are presenters – Videoing performance <ul style="list-style-type: none"> Data & Data Representation Hardware & Processing Information Technology 	We are network engineers – Exploring computer networks including the internet <ul style="list-style-type: none"> Data & Data Representation Hardware & Processing Communications & Networks 	We are communicators – Communicating safely on the internet <ul style="list-style-type: none"> Data & Data Representation Communications & Networks Information Technology 	We are opinion pollsters – Collecting and analysing data <ul style="list-style-type: none"> Data & Data Representation Information Technology

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<p>Year 4</p>	<p>We are software designers – Developing a simple educational game</p> <ul style="list-style-type: none"> Algorithms Programming & Development Information Technology 	<p>We are toy designers – Prototyping an interactive toy</p> <ul style="list-style-type: none"> Algorithms Programming & Development Hardware & Processing 	<p>We are musicians – Producing digital music</p> <ul style="list-style-type: none"> Data & Data Representation Information Technology 	<p>We are HTML editors - Editing and writing HTML</p> <ul style="list-style-type: none"> Communications & Networks Information Technology 	<p>We are co-authors – Producing a wiki</p> <ul style="list-style-type: none"> Communications & Networks Information Technology 	<p>We are meteorologists – Presenting the weather</p> <ul style="list-style-type: none"> Data & Data Representation Hardware & Processing Communications & Networks Information Technology
<p>Year 5</p>	<p>We are game developers – Developing an interactive game</p> <ul style="list-style-type: none"> Algorithms Programming & Development Information Technology 	<p>We are cryptographers – Cracking codes</p> <ul style="list-style-type: none"> Algorithms Data & Data Representation Communications & Networks Information Technology 	<p>We are artists – Fusing geometry and art</p> <ul style="list-style-type: none"> Information Technology 	<p>We are web developers – Creating a web page about cyber safety</p> <ul style="list-style-type: none"> Communications & Networks Information Technology 	<p>We are bloggers – Sharing experience and opinions</p> <ul style="list-style-type: none"> Communications & Networks Information Technology 	<p>We are architects – Creating a virtual space</p> <ul style="list-style-type: none"> Communications & Networks Information Technology
<p>Year 6</p>	<p>We are app planners - ??</p> <ul style="list-style-type: none"> Hardware & Processing Communications & Networks Information Technology 	<p>We are project managers - ??</p> <ul style="list-style-type: none"> Information Technology 	<p>We are market researchers - ??</p> <ul style="list-style-type: none"> Data & Data Representation 	<p>We are interface designers - ??</p> <ul style="list-style-type: none"> Information Technology 	<p>We are mobile app developers - ??</p> <ul style="list-style-type: none"> Algorithms Programming & Development Hardware & Processing 	<p>We are marketers - ??</p> <ul style="list-style-type: none"> Information Technology