

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Drivers	Environment Creativity Communication Well-being Wider Community Opportunities	Environment Creativity Communication Well-being Wider Community Opportunities	Environment Creativity Communication Well-being Wider Community Opportunities	Environment Creativity Communication Well-being Wider Community Opportunities	Environment Creativity Communication Well-being Wider Community Opportunities	Environment Creativity Communication Well-being Wider Community Opportunities
National Curriculum	<p><b>Unit 5.1 – Coding</b></p> <ul style="list-style-type: none"><li>• <b>Computer Science</b> – Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li><li>• <b>Computer Science</b> – Use sequence, selection and repetition in programs; work with variables and various forms of input and output</li><li>• <b>Computer Science</b> – Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li><li>• <b>Information Technology</b> - Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul> <p><b>Unit 5.2 – Online Safety</b></p> <ul style="list-style-type: none"><li>• <b>Computer Science</b> – Understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration</li><li>• <b>Information Technology</b> – Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li></ul>	<p><b>Unit 5.4 – Databases</b></p> <ul style="list-style-type: none"><li>• <b>Information Technology</b> – Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul>	<p><b>Unit 5.2 – Online Safety</b></p> <ul style="list-style-type: none"><li>• <b>Computer Science</b> – Understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration</li><li>• <b>Information Technology</b> – Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li></ul> <p><b>Unit 5.3 – Spreadsheets</b></p> <ul style="list-style-type: none"><li>• <b>Information Technology</b> – Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul>	<p><b>Unit 5.5 – Game Creator</b></p> <ul style="list-style-type: none"><li>• <b>Computer Science</b> – Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li><li>• <b>Information Technology</b> – Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul>	<p><b>Unit 5.2 – Online Safety</b></p> <ul style="list-style-type: none"><li>• <b>Computer Science</b> – Understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration</li><li>• <b>Information Technology</b> – Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li></ul> <p><b>Unit 5.6 – 3D Modelling</b></p> <ul style="list-style-type: none"><li>• <b>Information Technology</b> – Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul> <p><b>Unit 5.7 – Concept Maps</b></p> <ul style="list-style-type: none"><li>• <b>Information Technology</b> – Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul>	<p><b>Unit 5.8 – Word Processing (with Microsoft Word)</b></p> <ul style="list-style-type: none"><li>• <b>Information Technology</b> – Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul>

Skills	<p><b>Computer Science</b></p> <ul style="list-style-type: none"><li>I can make more complex real-life problems into algorithms for a program.</li><li>I can test and debug my programs as I work.</li><li>I can convert (translate) algorithms that contain sequence, selection and repetition into code that works.</li><li>I can use sequence, selection, repetition, and some other coding structures in my code.</li><li>I can organise my code carefully for example, naming variables and using tabs. I know this will help me debug more efficiently.</li><li>I can use logical methods to identify the cause of any bug with support to identify the specific line of code.</li><li>I know the importance of computer networks and how they help solve problems and enhance communication.</li><li>I recognise the main dangers that can be perpetuated via computer networks.</li><li>I can explain what personal information is and know strategies for keeping this safe.</li><li>I can use the most appropriate form of online communication according to the digital content. For example, use 2Email, 2Blog and Display Boards.</li></ul> <p><b>Information Technology</b></p> <ul style="list-style-type: none"><li>I can search precisely when using a search engine. For example, I know I can add additional words or removes words to help find better results.</li><li>I can explain in detail how accurate, safe and reliable the content is on a webpage.</li><li>I can make appropriate improvements to digital work I have created.</li><li>I can comment on how successful a digital solution is that I have created. For example, a program built in 2Code that sorts decimals numbers.</li><li>I can work collaboratively with others creating solutions to problems using appropriate software such as 2Code.</li><li>I can use collaborative modes such as within 2Connect to work with others and share it.</li></ul>	<p><b>Information Technology</b></p> <ul style="list-style-type: none"><li>I can search precisely when using a search engine. 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Cross-Curricular	<ul style="list-style-type: none"><li></li></ul>	<ul style="list-style-type: none"><li></li></ul>	<ul style="list-style-type: none"><li>Internet Safety Week</li></ul>	<ul style="list-style-type: none"><li></li></ul>	<ul style="list-style-type: none"><li></li></ul>	<ul style="list-style-type: none"><li></li></ul>

Enrichment Trips/Visitors	•	•	•	•	•	•
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