

	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	Unit 4.1 – Coding <ul style="list-style-type: none">• Computer Science – Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts• Computer Science – Use sequence, selection and repetition in programs; work with variables and various forms of input and output• Computer Science - Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs• Information Technology – 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	Unit 4.2 – Online Safety <ul style="list-style-type: none">• Computer Science – 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• Digital Literacy – Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact Unit 4.7 – Effective Searching <ul style="list-style-type: none">• Computer Science – 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• Information Technology – Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	Unit 4.3 - Spreadsheets <ul style="list-style-type: none">• Information Technology – 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	Unit 4.4 – Writing for Different Audiences <ul style="list-style-type: none">• Information Technology – 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	Unit 4.5 - Logo <ul style="list-style-type: none">• Computer Science – Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts• Computer Science – Use sequence, selection and repetition in programs; work with variables and various forms of input and output• Computer Science – Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs Unit 4.6 - Animation <ul style="list-style-type: none">• Information Technology – 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	Unit 4.8 – Hardware Investigators <ul style="list-style-type: none">• Computer Science – 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• Information Technology – 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 Unit 4.9 – Making Music <ul style="list-style-type: none">• Information Technology – 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

Skills	<div>Computer Science</div> <ul style="list-style-type: none">I can turn a real-life situation to solve into an algorithm, using a design that shows how I can accomplish this in code.I can use repetition in my code. For example, using a loop that continues until a condition is met such as the correct answer being entered.I can use timers within my program designs more accurately to create repetition effects. For example, I can create a counting machine.I can use selection (decision) in my programming. For example, using an ‘if statement’ for a question being asked and the program takes one of two paths.I can use variables within my program and know how to change the value of variables.I can use the user inputs and output features within my program, such as ‘Print to screen’.I can identify errors in my code by using different methods, such as stepping through lines of code and fixing them.I can read programs that contain several steps and predict the outcomes with increasing accuracy.I recognise the main component parts of hardware which allow computers to join and form a network.I understand that network and communication components can be found in many different devices which allow them to join the internet. <div>Information Technology</div> <ul style="list-style-type: none">I understand the purpose of a search engine and the main features within it.I can look at information on a webpage and make predictions about the accuracy of information contained within it.I can create and improve my solutions to a problem based on feedback. For example, create a program using 2Code.I can review solutions that others have created, using a checklist of criteria.I can work collaboratively to create content and solutions.I can share digital content using a variety of applications such as: 2Blog, 2Email and Display Boards.	<div>Computer Science</div> <ul style="list-style-type: none">I can turn a real-life situation to solve into an algorithm, using a design that shows how I can accomplish this in code.I can use repetition in my code. For example, using a loop that continues until a condition is met such as the correct answer being entered.I can use timers within my program designs more accurately to create repetition effects. For example, I can create a counting machine.I can use selection (decision) in my programming. 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Cross-Curricular	<ul style="list-style-type: none">	<ul style="list-style-type: none">	<ul style="list-style-type: none">Internet Safety Week	<ul style="list-style-type: none">	<ul style="list-style-type: none">	<ul style="list-style-type: none">

Enrichment Trips/Visitors	•	•	•	•	•	•
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