

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| 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 3.1 – 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 | Unit 3.2 – Online Safety <ul style="list-style-type: none">• 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 3.3 – 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 3.4 – Touch Typing <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 3.5 - Email <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• 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 3.6 – Branching Databases <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 3.7 - Simulations <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 3.9 – Presenting (with Microsoft PowerPoint) <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 |

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| Skills | <p>Computer Science</p> <ul style="list-style-type: none">I can make a real-life situation into an algorithm for a program. (I can design an algorithm carefully, thinking about what I want it to do and how I can turn it into code.I can identify an error in my program and fix it.I can experiment with timers in my programs.I can identify the difference in using between the effect of a timer or repeat command in my code.I know that a variable stores information while a program is running (executing).I can identify 'If' statements, repetition and variables.I can read programs with several steps and predict what it will do.I can identify different ways that the internet can be used for communication.I can use email such as 2Email to respond to others appropriately and attach files. | <p>Information Technology</p> <ul style="list-style-type: none">I can carry out searches to find digital content on a range of online systems, such as within Purple Mash or on an internet search engine.I can collect data and input it into software.I can analyse data using features within software to help such as, formula in 2Calculate (spreadsheets).I can present data and information using different software such as 2Question (branching database) or 2Graph (graphing tool).I can consider what the most appropriate software to use when given a task by my teacher. <p>I can create purposeful (appropriate) content and attach this to emails.</p> <p>Digital Literacy</p> <ul style="list-style-type: none">I can create a secure password.I can explain the importance of having a secure password and not sharing it with others.I can explain the negative consequences of not keeping passwords safe and secure.I understand the importance of keeping safe online and behaving respectfully.I can use communication tools such as 2Email respectfully and use good etiquette.I can report unacceptable content and contact online in more than one way to a trusted adult. | <p>Information Technology</p> <ul style="list-style-type: none">I can carry out searches to find digital content on a range of online systems, such as within Purple Mash or on an internet search engine.I can collect data and input it into software.I can analyse data using features within software to help such as, formula in 2Calculate (spreadsheets).I can present data and information using different software such as 2Question (branching database) or 2Graph (graphing tool).I can consider what the most appropriate software to use when given a task by my teacher.I can create purposeful (appropriate) content and attach this to emails. | <p>Computer Science</p> <ul style="list-style-type: none">I can make a real-life situation into an algorithm for a program. 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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 | <ul style="list-style-type: none"> | <ul style="list-style-type: none"> | <ul style="list-style-type: none"> | <ul style="list-style-type: none"> | <ul style="list-style-type: none"> | <ul style="list-style-type: none"> |