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| **Year 1** | | |
| **Autumn** | **Spring** | **Summer** |
| **Online Safety**  **Curriculum Objectives:**   * Use technology purposefully to create, organise, store, manipulate and retrieve digital content. * Use technology safely and respectfully. * Recognise common uses of information technology beyond school.   **Computer Skills**  **Curriculum Objectives:**   * Use technology purposefully to manipulate and retrieve digital content. * Use technology safely and respectfully. | **Word Processing Skills**  **Curriculum Objectives**   * Use technology purposefully to create, organise, store, manipulate and retrieve digital content.   **Painting**  **Curriculum Objectives**   * To use technology purposefully to create, organise, store, manipulate and retrieve digital content * Use logical reasoning to predict the behaviour of simple programs. | **Programming Toys**  **Curriculum Objectives**   * Understand how [algorithms] are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions * Create and debug simple programs. * Use technology purposefully to create digital content.   **Scratch Jr**  **Curriculum Objectives**   * To understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. * To use logical reasoning to predict the behaviour of simple programs. * To create and debug simple programs. |
| **Year 2** | | |
| **Autumn** | **Spring** | **Summer** |
| **Online Safety**  **Curriculum Objectives:**   * Recognise common uses of information technology beyond school. * Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.   **Technology Around Us**  **Curriculum Objectives:**   * Recognise common uses of information technology beyond school. | **Using the Internet**  **Curriculum Objectives:**   * To use technology purposefully to retrieve digital content. * To use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the Internet or other online technologies. * Use technology purposefully to create, organise, and store digital content.   **Presentation Skills**  **Curriculum Objectives:**   * Use technology safely and respectfully. * Use technology purposefully to create, organise, store, manipulate and retrieve digital content. | **Preparing for Turtle Logo**  **Curriculum Objectives:**   * Understand what algorithms are, and that programs execute by following precise and ambiguous instructions. * Create and debug simple programs.   **Programming Turtle Logo and Scratch**  **Curriculum Objectives:**   * Understand what algorithms are; and that programs execute by following precise and ambiguous instructions. * Create and debug simple programs. * Use logical reasoning to predict the behaviour of simple programs. |
| **Year 3** | | |
| **Autumn** | **Spring** | **Summer** |
| **Online Safety**  **Curriculum Objectives:**  Use technology safely, respectfully and responsibly; recognise acceptable and unacceptable behaviour; identify a range of ways to report concerns about content and contact  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.  Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact  **Online Searches and Surfers**  **Curriculum Objectives:**  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.  Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.  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. | **Word Processing**  **Curriculum Objectives:**  Use technology safely, respectfully and responsibly  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.  **Presentation Skills**  **Curriculum Objectives:**  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. | **Drawing and Desktop Publishing**  **Curriculum Objectives:**  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.  Use technology purposefully to create, organise, store, manipulate and retrieve digital content  **Programming Turtle Logo and Scratch**  **Curriculum Objectives:**  Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.  Use logical reasoning to explain how some simple algorithms work and to |
| **Year 4** | | |
| **Autumn** | **Spring** | **Summer** |
| **Online Safety**  **Curriculum Objectives:**  Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact in  Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content  **Word Processing**  **Curriculum Objectives:**  Select, use and combine a variety of software on a range of digital devices to design a range of programs, systems and content that accomplish specific goals | **Communication and Collaboration**  **Curriculum Objectives:**  Communicating Online 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.  Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.  Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.  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  **Scratch Questions and Quizzes**  **Curriculum Objectives:**  Design, write and debug programs that accomplish specific goals.  Use sequence, selection & repetition in programs; work with variables  Create content that accomplish given goals.  Solve problems by decomposing them into smaller parts. | **Programming Turtle Logo**  **Curriculum Objectives:**  Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.  Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.  Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs  **Animation**  **Curriculum Objectives:**  Select, use and combine a variety of software including analysing, evaluating and presenting data and information  Use a variety of software to design and create content that accomplish given goals |
| **Year 5** | | |
| **Autumn** | **Spring** | **Summer** |
| **Online Safety**  **Curriculum Objectives:**  Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact  Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content  **Strategic Searching Online**  **Curriculum Objectives:**  Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. | **Flowol**  **Curriculum Objectives:**  Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.  Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.  **3D Modelling Sketchup**  **Curriculum Objectives:**  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 | **Scratch 3.0**  **Curriculum Objectives:**  Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.  Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.  Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.  **Radio Station**  **Curriculum Objectives:**  Select, use and combine a variety of software on a range of digital devices to create content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. |
| **Year 6** | | |
| **Autumn** | **Spring** | **Summer** |
| **Online Safety**  **Curriculum Objectives:**  Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.  identify a range of ways to report concerns about content and contact.  Be discerning in evaluating digital content.  **Spreadsheets**  **Curriculum Objectives:**  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 | **Know Your Network**  **Curriculum Objectives:**  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.  **Kodu Programming**  **Curriculum Objectives:**  Select, use and combine a variety of software, including evaluating and presenting data and information. use logical reasoning to explain how some simple algorithms work.  Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.  Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. | **Coding with Scratch Animated Stories**  **Curriculum Objectives:**  Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.  Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.  Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs  **Film Making**  **Curriculum Objectives:**  Select, use and combine a variety of software to design and create a range of programs, systems and content that accomplish given goals  Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.  Understand computer networks including the internet and the opportunities they offer for communication and collaboration  Select, use and combine a variety of software on a range of digital devices to design and create a range of content that accomplish given goals, including presenting information |