



St. Benedict's Primary School Computing Overview 2022-2023



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Enchanted Woodlands Science - plants Computing: Basic Skills & Word processing POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>Bright Lights Big City Geography - The UK, maps and direction</p> <p>Computing <u>We are Collectors:</u> Finding images using the web Virtual tour of Buckingham Palace and Photostory (Rising Stars & Cornerstones) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 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. Recognise common uses of information technology beyond school.</p>	<p>Superheroes PE Fantasy and real heroes. The senses</p> <p>Computing <u>We are Superheroes:</u> Taking photos in superhero poses and editing to add capes, masks etc. (Cornerstones) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 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. Recognise common uses of information technology beyond school.</p>	<p>Beachcombers Science - seashore</p> <p>Computing <u>We are storytellers:</u> Producing a talking book (Rising Stars) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 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. Recognise common uses of information technology beyond school.</p>	<p>Paws Claws and Whiskers Art and Design animals and their features</p> <p>Computing: <u>We are painters:</u> Illustrating an eBook (Rising Stars) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 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. Recognise common uses of information technology beyond school.</p>	<p>Dinosaur Planet History - dinosaurs and fossils</p> <p>Computing <u>We are dinosaur hunters:</u> Using programmable toys (Rising Stars) Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs. Recognise common uses of information technology beyond school.</p>



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<p>Year 2</p>	<p>Street Detectives Geography - exploring the local community Computing <u>We are programmers:</u> Programming on-screen (Rising Stars) POS: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs.</p>	<p>Land Ahoy Geography Captain Cook, boats and sea rescues Computing <u>We are researchers:</u> Researching Captain Cook (Rising Stars) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 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.</p>	<p>Muck, Mess and Mixtures Science/Art Materials and their properties through art Computing <u>We are animators:</u> Producing a video - animation using play dough characters (Cornerstones) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school.</p>	<p>Towers, Tunnels and Turrets D&T/History Castles, towers and tunnels. Building structures Computing <u>We are architects:</u> Using digital drawing tools to design a castle (Cornerstones) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school.</p>	<p>Scented Gardens Science - flowers and their parts, growing things Computing <u>We are photographers:</u> Taking better photographs - plants (Rising Stars) POS: Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 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.</p>	<p>Wriggle and Crawl Science - minibests and their habitats Computing <u>We are games testers:</u> Coding - Exploring how games work (Rising Stars) POS: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs. Recognise common uses of information technology beyond school.</p>
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<p>Year 3</p>	<p>Heroes and Villains Music, moral dilemmas <u>We are vloggers</u> Screencast video of a presentation on heroes and heroines (teach to others) (Rising Stars/ Cornerstones) POS: Understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web. 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 content that accomplish given goals, including collecting, analysing, evaluating and presenting information. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and</p>	<p>Predator Science food chains, fossils and predatory plants <u>We are programmers</u> Using Scratch to program an animation - predator and prey (Rising Stars/ Cornerstones) POS: Design, write and debug programs that accomplish specific goals; 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 detect and correct errors in algorithms and programs.</p>	<p>Tremors Geography /History - natural disasters, <u>We are communicators</u> Using email and skype to get feedback on a PowerPoint presentation (Rising Stars) POS: 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. 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 safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>Mighty Metals Science - materials, forces, magnets and robots <u>We are presenters</u> Videoing a drama performance - extracts from TFW text (Rising Stars) POS: 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. Work with various forms of input and output. Use technology safely, respectfully and responsibly.</p>	<p>Scrumdiddlyumptious! D&T - Food, nutrition and cooking <u>We are opinion pollsters</u> Creating a survey on school dinners (Rising Stars) POS: 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. 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.</p>	<p>Tribal Tales History- Stone Age, Bronze Age and Iron Age history <u>We are bug fixers</u> Finding and correcting bugs in programs (Rising Stars) POS: Debug programs that accomplish specific goals. 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.</p>
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<p>Year 4</p>	<p>I Am Warrior The Roman Empire <u>We are Co-authors</u> Producing a Wiki page about the Roman Empire (Rising Stars) POS: Solve problems by decomposing them into smaller parts. 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. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 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.</p>	<p>Potions Solids, Liquids and Gas <u>We are HMTL Editors</u> Editing and writing HTML to create website - Online supplies for Witches and Wizards (Rising Stars) /Cornerstones) POS: 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 and combine a variety of software (including internet services) to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>	<p>Traders and Raiders Here come the Saxons <u>We are Video Editors</u> Stop motion animation of King Arthur giving a speech (split pin puppet) (Cornerstones) POS: 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. Work with various forms of input and output. Use technology safely, respectfully and responsibly.</p>	<p>Burps, Bottoms and Bile Inside your Body <u>We are Musicians</u> Producing digital music (Rising Stars) POS: Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Understand computer networks including the internet; ... and the opportunities they offer for communication and collaboration. 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. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>Misty Mountain Sierra Mighty Mountains <u>We are Meteorologists</u> Use data logging, spreadsheets and video to explore the weather and prepare a weather forecast (Rising Stars) POS: 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. Work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p>	<p>Blue Abyss The Ocean World <u>We are toy designers</u> Use Scratch to design and program a toy (Cornerstones) POS: 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 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.</p>
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<p>Year 5</p>	<p>Stargazers Space <u>We are Architects</u> Creating a virtual space (Rising Stars) POS: 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.</p>	<p>Off With Her Head The Tudors <u>We are Artists</u> Fusing geometry and art (Rising Stars) POS: 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. 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.</p>	<p>Alchemy Island A Fantasy World <u>We are Game Developers</u> Developing an interactive game (Rising Stars/ Cornerstones) POS: 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. 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.</p>	<p>Beast Creator Minibeasts <u>We are Web Developers</u> Creating a website about cyber safety (Rising Stars) POS: 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. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>Pharoahs Ancient Egypt <u>We are Cryptographers</u> Encrypting and decrypting messages (Rising Stars) POS: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. 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.</p>	<p>Allotment Food origins and farming <u>We are Bloggers</u> Creating a blog (Rising Stars) POS: 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. 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 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.</p>
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<p>Year 6</p>	<p>A Child's War World War 2 ILP Focus: History <u>We are Network Technicians</u> Exploring computer networks (standalone unit) (Rising Stars) Co4 KS2: 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. Co7 KS2: Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>Blood Heart Human circulatory system ILP Focus: Science <u>We are Advertisers</u> Creating a TV advert (Cornerstones/Rising Stars) Co3 KS2: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. Co5 KS2: Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Co6 KS2: 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. Co7 KS2: Use technology safely, respectfully and responsibly; recognise acceptable /unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>Frozen Kingdom Polar Regions ILP Focus: Geography <u>We are Adventure Gamers</u> Making an adventure game (Rising Stars) Co1 KS2: Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Co2 KS2: Use sequence, selection and repetition in programs; work with variables and various forms of input and output. Co3 KS2: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>	<p>Darwin's Delights Evolution and Inheritance ILP Focus: Science <u>We are Travel Writers</u> Using media and mapping to document a trip (Cornerstones/Rising Stars) Co5 KS2: Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Co6 KS2: 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. Co7 KS2: Use technology safely, respectfully and responsibly identify a range of ways to report concerns about content and contact.</p>	<p>Hola Mexico Mayan Civilisation ILP Focus: History/ Music <u>We are Computational Thinkers</u> Mastering algorithms (standalone unit) (Rising Stars) Co1 KS2: Design, write and debug programs that accomplish specific goals. Co2 KS2: Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Co3 KS2: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>	<p>Gallery Rebels Significant Artists ILP Focus: Art and Design <u>We are Publishers</u> Creating a yearbook (Rising Stars) Co4 KS2: Understand computer networks including the internet and the opportunities they offer for communication and collaboration. Co5 KS2: Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Co6 KS2: 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. Co7 KS2: Use technology safely, respectfully and responsibly.</p>
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