	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
YEAR 3	Subject area Information Technology Word processing and typing **Unit/skill: Document editing/ creating** Device: PC To use index fingers on the keyboard home keys (f/j), use left fingers for a/s/ d/f/g, and use right fingers for h/j/k/l • To edit the style and effect of my text and images to make my document more engaging and eye-catching. For example, borders and shadows. • To use cut, copy and paste to quickly duplicate and organise text. Ilearn2 primary computing Typing (15 minutes, covers keyboard skills) Document editing and creation (Covers All the above skills) (Takes 1-2 hours to complete) **Creative curriculum link** Fact file/information leaflet on Stonehenge or a woolly mammoth	Subject Area Information Technology Animation **Unit/skill: Stop Animation** Device: iPad • To create animations of faces to speak in role with more life-like realistic outcomes. • To improve stop motion animation clips with techniques like onion skinning. • To use animation tools in presenting software to create simple animations (Use skills to support planning) **Creative curriculum link** Using woolly mammoth to make a film	Subject Area Information Technology Presentation, web design and eBook (this also covers word processing and typing) **Unit/skill: Comic creation and storyboards** Device: PC or iPad To create an interactive comic with sounds, formatted text and video. • To annotate an image with videos • To create a simple web page. • To create a simple digital timeline/mind map Ilearn2 primary computing Comic Creation (3 hours) Year 3 storyboards **Creative curriculum Link:** Romans, gladiator fighting. English story map (pie-Corbet)	Subject Area Computing Science Coding and programming / computational thinking **Unit/skill Programming in Scratch** Device: PC To design and create programs • To write programs that accomplish specific goals • To use repetition in programs I can work with various forms of input Ilearn2 primary computing Year 3 Programming with Scratch (4-5 hours) **Creative curriculum Link:**	Subject Area Information Technology Data handing **Unit/Skill: Branching database** • To create my own sorting diagram and complete a data handling activity with it using images and text. • To start to input simple data into a spreadsheet. • To create a feelings chart exploring a story or character's feelings. Ilearn2 primary computing Branching database (2 hours) **Creative curriculum Link:** Subject Area Information Technology Digital Art	Subject Area Information Technology Sounds **Unit/skill: Music creator** • To create and edit purposeful compositions using music software to create mood or a certain style • To create experiment with live loops to create a song. Ilearn2 primary computing Year 3 Music Creator **Creative curriculum Link:** Subject Area Computing Science How a Computer works.

	Writing about first term at school etc…	Explaining farming Link to English			**Unit/skills: Photography and Digital Art** Device: PC or iPad • I can confidently take and manipulate photos • I can create a digital image using a range of tools, pens, brushes and effects • I can create transparent images with Instant Alpha	**Creative curriculum Link:**
Year 4	Subject Area Information Technology Presentation, web design and eBook creations/ word processing/typing **Unit/Skill: Document editing/ book creator** Device: PC or iPad • To create an interactive quiz eBook introducing hyperlinks. • To create with text, images and sound. • To create line/mind map and include different media - sound and video. To create and combine digital images from different sources, objects, and text to make a final piece of a variety of tasks: posters, documents, eBooks, scripts, leaflets. • Confidently and regularly use text shortcuts such as cut, copy and paste and delete to organise text • Use font sizes appropriately for audience and purpose.\Use spell check and thesaurus including through Siri and other AI technology Ilearn2 primary computing:	Subject Area Information Technology Animation and Video creation **Unit/skills: Animation and Video** Device: iPad (Key Note, iMovie) • To create take multiple animations of a character I have created and edit them together for a longer video. • To create use software to create a 3D animated story. • To create use line draw tool to create animations. • To create add music and sound effects to my films • To create add animated titles and transitions • To create add simple subtitles to a video clip. • To create use confidently use green screen adding animated backgrounds. Ilearn2 primary computing:	Subject Area Computing Science Coding and programming / computational thinking **Unit/skill: Programming with Scratch** Device: PC or iPad • To use simple selection in programs • To work with various forms of output • To use logical reasoning to systematically detect and correct errors in programs •To work with various forms of output • To use abstraction to focus on what's important in my design • To write increasingly more precise algorithms for use when programming. • I can use simple selection in algorithms • To use logical reasoning to detect and correct errors in programs Ilearn2 primary computing: Year 4 Programming in Scratch. Curriculum link	Subject Area Computing Science Computer Networks **Unit/skill:** **Inside a computer** Device: PC •To understand that servers on the Internet are located across the planet • To understand how email is sent across the Internet • To understand how the Internet enables us to collaborate. Ilearn2 primary computing: Year 4 Inside a computer. (2-3 hours) Graphic design (ilearn2)	Subject Area Information Technology **Unit/skills Internet Research** Device: PC 1. Use search technologies to find specific pieces of information. 2. Understand features of an Internet Browser. 3. Reference the correct source of information. 4. Be discerning in evaluating digital content. 5. Check the internet for fake news by cross-referencing facts. Ilearn2 primary computing: Year 4 Internet Research. (2-3 hours) Subject Area Information Technology word processing/typing **Unit/skill: Creating a google site from our research** I can combine digital images from different sources, objects, and	Subject Area Information Technology Data Handing **Unit/skills: Data Handling.** Device: PC • To create my own online multiple-choice questionnaire. • To input data into a spreadsheet and export the data in a variety of ways: charts, bar charts, pie charts. • To understand how data is collected. Ilearn2 primary computing: Year 4 Data handling Curriculum link Fast Fashion

	Book creator (5-6 hours to complete) (same skills) Curriculum link History e-book about raids Book about Sounds, link to Science	Animation (5-7 hours to complete) Same skills Unit Video creator: iMovie (cross-curricular) Curriculum link Re-acting the battle of Maldon or a Viking Raid	Link to ancient Egyptians		text to make a final piece of a a variety of tasks: posters, documents, eBooks, scripts, leaflets. • Confidently and regularly use text shortcuts such as cut, copy and paste and delete to organise text • Use font sizes appropriately for audience and purpose.\Use spell check and thesaurus including through Siri and other AI technology Curriculum link Mini-beast/habitats	
Year 5	**Subject Area** Information Technology: **Unit/Skill: APP design/ word processing** Device: PC • To start to apply other useful effects to my documents such as hyperlinks. • To import sounds to accompany and enhance the text in my document. • To organise and reorganise text on the screen to suit a purpose (Please also look at word processing skills) Ilearn2 primary computing: Year 5 App Design (4-6 hours) (Same skills)	Subject Area Computing Science Coding and programming / computational thinking **Unit/skill: Programming with scratch (sphero in future)** Device: PC To solve problems by decomposing them into smaller parts • To use selection in algorithms • To recognise the need for conditions in repetition within algorithms • To use logical reasoning to explain how a variety of algorithms work • To use logical reasoning to detect and correct errors in algorithms • To evaluate my work and identify errors	Subject Area Information Technology Data handing **Unit/Skill: Data Handling** Device: PC • To create and publish my own online questionnaire and analyse the results. • To use simple formulae to solve calculations including =sum and other statistical functions • To edit and format difference cells in a spreadsheet Ilearn2 primary computing: Year 5 Data handling (3-4 hours) (Same skills)	Subject Area Computing Science Computer Networks **Unit/skill: Inside a computer** • To understand how we view web pages on the Internet • I use search technologies effectively • To understand that web spiders index the web for search engines •To appreciate how pages are ranked in a search engine Ilearn2 primary computing: Year 5 computer network and the internet (3-4 hours) (Same skills) Information Technology	Subject Area Compute science AI **Unit/skills: Understanding Artificial Intelligence (Year 6 Unit)** Year 6 Machine learning and Artificial Intelligence (1-2 hours) Device: PC 1. Understand how computers use information to learn by solving new problems and following new instructions. 2. Understand and use examples of machine learning. 3. Understand how artificial intelligence is used to perform tasks often only performed by humans.	Subject Area Information Technology Sounds **Unit/skill: Music** Device: PC and iPad • Add voice over and edit sound clips (volume, pitch, fade, effect) to create a podcast. • Create a remix of a popular song. Iearn2 primary computing: Year 5 Music creation 2-3 hours

	Curriculum link	Ilearn2 primary computing: Year 5 Programming with Scratch(4-6 hours) (Same skills)	Curriculum link Mars Rover	Animation and Video creation **Unit/skills: Animation and Video** Device: iPad (Key Note, iMovie) • To create take multiple animations of a character I have created and edit them together for a longer video. • To create use software to create a 3D animated story. • To create use line draw tool to create animations. • To create add music and sound effects to my films • To create add animated titles and transitions • To create add simple subtitles to a video clip. • To create use confidently use green screen adding animated backgrounds. Curriculum Link Battle of Athens and Sparta.	4. Discuss and show awareness of the potential dangers. Ilearn2 primary computing: Year 6 Machine learning and Artificial Intelligence (1-2 hours) Unit: Information Technology IPAD creating AR APP: Figment AR Skills • I can create an interactive VR experience. • I can create an animated object and bring it into my surroundings through AR • I can create an AR experience using objects I have created to explain a concept.	Subject Area Information Technology Unit/skill: Video • I can use cutaway and split screen tools in iMovie. • I can evaluate and improve the best video tools to best explain my understanding. • I can further improve green screen clips using crop and resize and explore more creative ways to use the tool - wearing green clothes and the masking tool. Curriculum link History, what they have learnt about the Ancient Greeks. News report.
Year 6	**Subject area** Information Technology **Unit/skills: Presentation, web design and eBook** **Device: PC** • To confidently choose the best application to demonstrate my learning. • TO format text to suit a purpose. • To publish my	**Subject area** Information Technology **Unit/Skills Animation** Device: iPad Skills To create mix animations and videos recordings of myself to create video interviews. • To plan, script and create a 3D animation to explain a concept or tell	Subject Area Computing Science Coding and programming / computational thinking Unit/skills: Programming with Python Device: PC To recognise, and make use, of patterns across programming projects • To write precise algorithms for use when	Subject Area Computing Science Computer Networks **Unit/skill: HTML** Device: PC • To understand what HTML is and recognize HTML tags • To know a range of HTML tags and can remix a web	Subject Area Information Technology Data handing **Unit/Skill: Data Handling** Device: PC To write spreadsheet formula to solve more challenging maths problems. • To create and publish	Subject Area Information Technology AR and VR **Unit/skills: Understanding VR** Device: PC • To create and upload my own VR Google Expedition. • To create an interactive poster

	documents online regularly and discuss the audience and purpose of my content. You will also need to re-cap word processing skills. Ilearn2 primary computing: Year 6 Web Design (4-6 hours) (Same skills) Curriculum link WW2 Information site, creating an online museum. Creating a google site about rationing or answering your History enquiry questions.	a story. • To choose and create different types of animations to best explain my learning. IPAD: App (Key note) Curriculum link Reacting to the battle of the Somme. <u>Subject Area</u> Information Technology Digital Art **<u>Unit/skills:</u>** **<u>Photography and Digital Art</u>** Unit: Photography and digital art. • I can edit a picture to remove items, add backgrounds, merge 2 photos • I can evaluate and discuss images explaining effects and filters that have been used to enhance the media. • Use a 3D drawing app to create a realistic representation of world objects Ilearn2 primary computing: Year 6 Image editing (3 hours) (Same skills) Link with WW2 Photos	programming • To identify variables needed and their use in selection and repetition •To decompose code into sections for effective debugging • To critically evaluate my work and suggest improvements To use a range of sequence, selection and repletion commands combined with variables as required to implement my design • To create procedures to hide complexity in programs • To identify and write generic code for use across multiple projects • To critically evaluate my work and suggest improvements • To identify and use basic HTML tags (See Computer Networks objectives) Ilearn2 primary computing: Year 6 Programming in Python (4-6 hours) (Same skills) Then re-cap different programming software such as; scratch, sphere, code spark academy, Kodable etc Curriculum link Creating a Rainforest game	page • To create a webpage using HTML Ilearn2 primary computing: Year 6 HTML (4-5 hours) (Same skills)	my own online quiz with a range of media (images and video) Ilearn2 primary computing: Year 6 Data Detectives (4-5 hours) Curriculum link Data about Japan or Kites	using AR • To explain how VR and AR works. Ilearn2 primary computing: Year 6 RV (6-8 hours)