

**St. Benedict's Primary School**

**COMPUTING KNOWLEDGE AND SKILLS BUILDER: Information Technology (Evaluate & Apply)**

Year group	ILP and Context for Learning	Skills and Knowledge
<b>Year 1</b>	<b>Autumn 1 Enchanted Woodlands</b> Big Question: Who lives in a woodland? Context – Basic Skills & Word processing Programmes of study: KS1: Co4 Co5	<b>Skill</b> Log on and log off a computer. Click and drag with a mouse or trackpad. Switch on and shutdown a computer. Launch an application by double clicking it. Use the keyboard to type letters in upper case and lower case and use the space bar. Change the font, size and colour of text.  <b>Knowledge</b> Name the parts of a computer. Know and understand the terms 'log on', 'log off', 'mouse', 'font', 'text'. Know different uses of technology at home and in school.
	<b>Autumn 2 ILP Bright Lights Big City</b> Big Question: How is a city different to the countryside? Context – Finding images using the web Programmes of study: KS1: Co4 Co5 Co6	<b>Skill</b> Search for images using online galleries. Copy an image from the web and paste it into a presentation. Move and resize images in a presentation.
	<b>Spring 1 ILP Superheroes</b> Big Question: What is a superhero? Context – Taking and editing photos Programmes of study: KS1: Co4 Co5 Co6	<b>Skill</b> Use a camera app take digital photographs. Take photos that are in focus. Use simple editing tools to change a photo. Import a photo into presentation software.  <b>Knowledge</b> Know and use the terms 'digital camera', 'image', 'in focus', 'edit'.

<b>Year 1 (cont.)</b>	<b>Spring 2 ILP Beachcombers</b> Big Question: What are the features of a coastline? Context – Producing a talking book Programmes of study: KS1: Co4 Co5	<b>Skill</b> Record sound effects and dialogue using digital audio software. Put sound effects and dialogue together in a talking book.  <b>Knowledge</b> Know how to give constructive feedback to other pupils.
	<b>Summer 1 Paws, Claws and Whiskers</b> Big Question: How do we know if an animal is a carnivore, herbivore or omnivore? Context – Illustrating an eBook Programmes of study: KS1: Co4 Co5 Co6	<b>Skill</b> Use a paint program to create an illustration. Edit an image.  <b>Knowledge</b> Know how to save and name work.
<b>Year 2</b>	<b>Autumn 2 ILP Land Ahoy!</b> Big question: How is an explorer different to a pirate? Context – Researching Captain Cook Programmes of study: KS1: Co4 Co5 Co6	<b>Skill</b> Use a search engine. Find images and add them to a presentation. Create a short multimedia presentation.
	<b>Spring 1 ILP Muck, Mess and Mixtures</b> Big question: What impact does heating and cooling have on materials? Context – Producing a video animation Programmes of study: KS1: Co4 Co5	<b>Skill</b> Draw a storyboard. Import photos into a video software program. Edit a video.
	<b>Spring 2 ILP Towers, Tunnels and Turrets</b> Big Question: What was life like inside a castle? Context – Using digital drawing tools Programmes of study: KS1: Co4 Co5	<b>Skill</b> Use a drawing program to create an illustration.  <b>Knowledge</b> Know how to modify pencil/brush size and colour. Know how to change drawing tools.

	<p><b>Summer 1 ILP Scented Gardens</b>  Big Question: What do plants need to survive?  Context – Taking better photographs  Programmes of study:  KS1: Co4 Co5 Co6</p>	<p><b>Skill</b>  Take focussed, sharp photos.  Edit and enhance a photo to make it look better.</p> <p><b>Knowledge</b>  Consider the technical and artistic merits of a photo.</p>
<b>Year 3</b>	<p><b>Autumn 1 ILP Heroes and Villains</b>  Big Question: Who is your hero?  Context – Making a screencast presentation  Programmes of study:  KS2: Co4 Co5 Co6 Co7</p>	<p><b>Skill</b>  Plan, design and deliver an interesting and engaging presentation.  Search for, and evaluate, online images.  Create a screencast video of a presentation.</p> <p><b>Knowledge</b>  Develop an understanding of how the internet, the web and search engines work.  Know search results are based on the key words typed in.</p>
	<p><b>Spring 1 ILP Tremors</b>  Big Question: What causes tremors on earth?  Context – Using email and video conferencing software  Programmes of study:  KS2:Co4 Co6 Co7</p>	<p><b>Skill</b>  Open, write and send emails.  Use email and video conferencing to communicate.</p> <p><b>Knowledge</b>  Develop a basic understanding of how email works  Realise that email and video conferencing work via the internet.</p>
	<p><b>Spring 2 Mighty Metals</b>  Big Question: How do different forces effect metals?  Context – Videoing a performance  Programmes of study:  <b>KS2:</b> Co2 Co6</p>	<p><b>Skill</b>  Frame shots and hold the camera steady.  Import and edit a video using editing tools.  Record a voiceover narration.</p>

<p><b>Year 3 (cont.)</b></p>	<p><b>Summer 1 ILP Scrumdidlyumptious!</b>          Big Question: How do you stay healthy?          Context – Creating a survey          Programmes of study:          Co4 Co6 Co7</p>	<p><b>Skill</b>          Use Google Forms to collect data via the internet.          Use Google Slides to present results.          Move information between different applications.  <b>Knowledge</b>          Explain what the data means.</p>
<p><b>Year 4</b></p>	<p><b>Autumn 1 ILP I am Warrior</b>          Big Question: Why were the Romans so successful?          Context – Producing a wiki page          Programmes of study:          KS2: Co4 Co5 Co6 Co7</p>	<p><b>Skill</b>          Create content for a wiki.          Edit the content of a wiki.          Edit other people’s work.          Develop proofreading skills.</p>
	<p><b>Autumn 2 ILP Potions</b>          Big Question: What is the difference between a solid, liquid and gas?          Context – Editing and writing HTML to create a website          Programmes of study:          KS2: Co4 Co6 Co7</p>	<p><b>Skill</b>          Create a web page (by writing HTML).</p>
	<p><b>Spring 1 ILP Traders and Raiders</b>          Big Question: Where did the Anglo Saxons settle and why?          Context – Producing a stop motion animation          Programmes of study:          KS2: Co6</p>	<p><b>Skill</b>          Import and edit photos using editing tools.          Add a soundtrack to suggest a tone.          Put transitions between clips.          Record an audio commentary.</p>
	<p><b>Spring 2 ILP Burps, Bottoms and Bile</b>          Big Question: How does the body digest food?          Context – Producing digital music          Programmes of study:          KS2: Co2 Co4 Co5 Co6 Co7</p>	<p><b>Skill</b>          Use sequencing software to create a piece of music.  <b>Knowledge</b>          Explain how technology can be used to create music.</p>
<p><b>Year 4 (cont.)</b></p>	<p><b>Summer 1 ILP Misty Mountain Sierra</b>          Big Question: How are mountains formed?          Context – Presenting the weather          Programmes of study:  <b>KS2: Co2 Co3 Co5 Co6</b></p>	<p><b>Skill</b>          Use weather measurement equipment safely.          Enter data in a spreadsheet.          Create simple charts.</p>

<b>Year 5</b>	<p><b>Autumn 1 ILP Stargazers</b>            Big Question: What happens when there is no gravity?            Context – Creating a virtual space            Programmes of study:            KS2: Co2 Co3 Co5 Co6</p>	<p><b>Skill</b>            Create simple objects using Tinkercad.            Create simple 3D objects using Tinkercad.            Select, move and change the size of digital 3D shapes.</p> <p><b>Knowledge</b>            Know and understand the terms ‘virtual’ and ‘3D modelling’.</p>
	<p><b>Spring 2 ILP Beast Creator</b>            Big Question: What is the difference between the life cycle of an amphibian, mammal, reptile and insect?            Context – Creating a website about cyber safety            Programmes of study:            KS2: Co4 Co5 Co6 Co7</p>	<p><b>Skills</b>            Use tools to get the best results in web searches.            Create content using Google Sites.</p> <p><b>Knowledge</b>            Able to name a number of different search engines.            Explain how search engines order web pages in a search (‘Page Rank’).</p>
	<p><b>Summer 2 ILP Allotment</b>            Big Question: Do dock leaves cure a sting?            Context – Creating a blog            Programmes of study:            KS2: Co4 Co5 Co6 Co7</p>	<p><b>Skill</b>            Write a blog post.            Add images, audio and video to a blog post.</p> <p><b>Knowledge</b>            Understand how the internet makes blogging possible.</p>
<b>Year 6</b>	<p><b>Autumn 2 ILP Blood Heart</b>            Big Question: What are the main parts and functions of the circulatory system?            Context – Creating a TV advert            Programmes of study:            KS2: Co3 Co5 Co6 Co7</p>	<p><b>Skills</b>            Refine storyboarding.            Shoot high-quality video footage.            Use advanced tools in video editing software.</p>
	<p><b>Spring 2 ILP Darwin’s Delights</b>            Big Question: Can you explain Darwin’s theory of evolution?            Context – Using media and mapping to document a trip            Programmes of study:            KS2: Co5 Co6 Co7</p>	<p><b>Skills</b>            Research a location.            Use online tools to plan an efficient route to a destination.            Combine text and media to produce online content.</p>

<b>Year 6 (cont.)</b>	<b>Summer 2 ILP Gallery Rebels</b> Big Question: Can you express yourself without words? Context – Creating a Yearbook Programmes of study: KS2: Co4 Co5 Co6 Co7	<b>Skills</b> Source content for a publication. Apply principles of good design to page layout. Word-process text quickly and to a good standard.  <b>Knowledge</b> Know the principles of good design.
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