



*At St Peter's we believe that a broad and balanced curriculum with a strong academic core is a right for all pupils. We seek to encourage pupils to explore subjects of interest around their in-school learning and to enhance their curriculum experience through enrichment.*

Autumn 1	Autumn 2 & Spring 1		Spring 2 & Summer 1		Summer 2	
Unit of Work/Big Question	Unit of Work/Big Question	Unit of Work/Big Question	Unit of Work/Big Question	Unit of Work/Big Question	Unit of Work/Big Question	Unit of Work/Big Question
<p><b>E-safety</b></p> <p><b>What is e safety and how does it impact our daily life?</b></p>	<p><b>Digital Literacy</b></p> <p><b>What is digital literacy and why is it an important skill?</b></p>	<p><b>Data Manipulation</b></p> <p><b>What is data manipulation and why is it an important skill?</b></p>	<p><b>Computer Systems &amp; Hardware</b></p> <p><b>What are computer systems and what different pieces of hardware are involved?</b></p>	<p><b>Applications &amp; Software</b></p> <p><b>What are applications and software? How do we use these in our daily life?</b></p>	<p><b>Programming</b></p> <p><b>What is programming and why is it an important skill?</b></p>	<p><b>Web Design and Production</b></p> <p><b>What is web production and why is web designing important?</b></p>
Knowledge	Knowledge	Knowledge	Knowledge	Knowledge	Knowledge	
<p><b>Introduction to e safety and how does it impact our daily life</b></p> <ul style="list-style-type: none"> <li>Understand what is meant by E-Safety.</li> <li>Identify what risks can be found online.</li> <li>Evaluate how to safeguard against risks.</li> <li>Define what is meant by Cyberbullying.</li> <li>Consider traits of a Cyberbully.</li> <li>Evaluate organisations to get support from if you experience cyberbullying.</li> <li>Define what is meant by social media.</li> <li>Consider the need to set privacy settings.</li> <li>Evaluate the advantages and disadvantages of social media.</li> <li>List risks on the internet.</li> <li>Consider the signs of Online Grooming.</li> </ul>	<p><b>Introduction to Computer Science and the importance of Digital Literacy skills</b></p> <ul style="list-style-type: none"> <li>How to successfully create a document using a word processing tool to meet a given need</li> <li>Apply formatting techniques to a word processed document to meet different requirements</li> <li>How to successfully create a presentation using appropriate presentation techniques e.g. slide transitions, animations etc</li> </ul>	<p><b>Introduction to Data Modelling and its uses in different industries</b></p> <ul style="list-style-type: none"> <li>How to successfully add, manipulate and extract data from a spreadsheet using appropriate spreadsheet software</li> <li>How to analyse and report on a given data set</li> </ul>	<p><b>Introduction to computer systems and hardware.</b></p> <ul style="list-style-type: none"> <li>Be able to identify different input and output devices.</li> <li>State different types of computer hardware and storage technologies</li> <li>Understand how the CPU works . Draw a block diagram showing CPU, input, output and storage devices</li> <li>Explain the FDE cycle.</li> </ul>	<p><b>Introduction to application and software</b></p> <ul style="list-style-type: none"> <li>Identify different application software</li> <li>Understand the importance of utility software</li> <li>Explain what operating systems are and the factors that impact them.</li> </ul>	<p><b>Introduction to programming</b></p> <ul style="list-style-type: none"> <li>Understand the layout of scratch</li> <li>Be able to understand the create algorithms and flowcharts</li> <li>Understand how to use loops, variables with a program</li> <li>Be able to design a simple program and then create that program.</li> </ul>	<p><b>Introduction to website design and creation</b></p> <ul style="list-style-type: none"> <li>Understand the different purposes of a website</li> <li>Understand the difference between the world wide web and the internet</li> <li>Be able to identify different features of a website and apply them to a given brief</li> <li>Be able to build a simple website using the Google suite</li> <li>Be able to add suitable content to a website to meet a given brief</li> <li>Be able to add different media types to a website to meet a given brief</li> </ul>

<ul style="list-style-type: none"> <li>Evaluate how to safeguard against these risks.</li> </ul>						
<b>Skills &amp; Procedural Knowledge</b>	<b>Skills &amp; Procedural Knowledge</b>	<b>Skills &amp; Procedural Knowledge</b>	<b>Skills &amp; Procedural Knowledge</b>	<b>Skills &amp; Procedural Knowledge</b>	<b>Skills &amp; Procedural Knowledge</b>	<b>Skills &amp; Procedural Knowledge</b>
<p><b>Skills</b></p> <ul style="list-style-type: none"> <li>Analytical thinking</li> <li>Creative thinking</li> <li>Understanding what risks are out there</li> </ul> <p><b>Word Processing</b></p> <ul style="list-style-type: none"> <li>Text font, size, layout</li> <li>Line spacing</li> <li>Bullet points and Numbers</li> <li>Spell check</li> <li>Word count</li> <li>Page numbers</li> <li>Date/Time</li> <li>Header &amp; Footer</li> <li>Images</li> <li>Tables</li> <li>Special characters</li> <li>Horizontal line</li> <li>Margins, Orientation, page colour</li> </ul> <p><b>Presentation software</b></p> <ul style="list-style-type: none"> <li>Master slides</li> <li>Layout</li> <li>Slide transitions</li> <li>Slide animations</li> <li>Images</li> <li>Text font, size, layout</li> <li>Interactivity</li> <li>Hidden slides</li> <li><b>Hyperlinks</b></li> </ul>	<p><b>Word Processing</b></p> <ul style="list-style-type: none"> <li>Text font, size, layout</li> <li>Line spacing</li> <li>Bullet points and Numbers</li> <li>Spell check</li> <li>Word count</li> <li>Page numbers</li> <li>Date/Time</li> <li>Header &amp; Footer</li> <li>Images</li> <li>Tables</li> <li>Special characters</li> <li>Horizontal line</li> <li>Margins, Orientation, page colour</li> </ul> <p><b>Presentation software</b></p> <ul style="list-style-type: none"> <li>Master slides</li> <li>Layout</li> <li>Slide transitions</li> <li>Slide animations</li> <li>Images</li> <li>Text font, size, layout</li> <li>Interactivity</li> <li>Hidden slides</li> <li>Hyperlinks</li> </ul>	<p><b>Skills</b></p> <p><b>Spreadsheet software</b></p> <ul style="list-style-type: none"> <li>Columns</li> <li>Rows</li> <li>Cells</li> <li>Workbooks</li> <li>Simple formula</li> <li>Lookup formula</li> <li>Conditional formatting</li> <li>Presenting data <ul style="list-style-type: none"> <li>Charts</li> <li>Graphs</li> </ul> </li> </ul>	<p><b>Apply and Understand</b></p> <ul style="list-style-type: none"> <li>What hardware is</li> <li>Identify key components within a computer</li> <li>Understand how key components affect a computer's performance</li> <li>Understand how hardware impact a computer's performance</li> <li>Explore different storage devices and their uses</li> <li>Be able to recommend solutions to a given computer performance problem</li> </ul>	<p><b>Understand and apply</b></p> <ul style="list-style-type: none"> <li>Understand application software</li> <li>Investigate different type of utility software</li> <li>Identify different types of operating systems and the factors that impact their performance.</li> </ul>	<p><b>Understand and apply</b></p> <ul style="list-style-type: none"> <li>Interactive mode</li> <li>Script mode</li> </ul> <p><b>Skills</b></p> <p><b>Programming techniques</b></p> <ul style="list-style-type: none"> <li>Loops</li> <li>Variable</li> </ul>	<p><b>Skills</b></p> <ul style="list-style-type: none"> <li>Web layout</li> <li>Writing to a brief</li> <li>Using suitable media</li> <li>Understanding the needs of the audience</li> <li>Meeting the needs of an audience</li> <li>Producing multiple pages to make a website</li> </ul> <p>Web Production Software</p> <ul style="list-style-type: none"> <li>Master page</li> <li>Inserting titles</li> <li>Inserting images</li> <li>Inserting hyperlinks</li> <li>Adapting a housestyle</li> <li>Inserting rollover images</li> <li>Inserting hotspots</li> </ul>
<b>Tier 3 Subject Vocabulary</b>	<b>Tier 3 Subject Vocabulary</b>	<b>Tier 3 Subject Vocabulary</b>	<b>Tier 3 Subject Vocabulary</b>	<b>Tier 3 Subject Vocabulary</b>	<b>Tier 3 Subject Vocabulary</b>	<b>Tier 3 Subject Vocabulary</b>
<ul style="list-style-type: none"> <li>E-Safety</li> <li>Safeguarding</li> <li>Desktop computer</li> </ul>	<ul style="list-style-type: none"> <li>Digital Literacy</li> <li>Internet</li> <li>Search Engine</li> </ul>	<ul style="list-style-type: none"> <li>Cell</li> <li>Formula</li> <li>Function</li> <li>Worksheet</li> <li>Workbook</li> </ul>	<ul style="list-style-type: none"> <li>Computer</li> <li>Keyboard</li> <li>Mouse</li> </ul>	<ul style="list-style-type: none"> <li>Application</li> <li>Software</li> <li>Operating System</li> <li>Word Processor</li> <li>Spreadsheet</li> </ul>	<ul style="list-style-type: none"> <li>Programming</li> <li>Code</li> <li>Algorithm</li> </ul>	<ul style="list-style-type: none"> <li>Website</li> <li>Web Page</li> <li>URL (Uniform Resource Locator)</li> </ul>

<ul style="list-style-type: none"> <li>School network</li> <li>Microsoft PowerPoint</li> <li>Search engine</li> <li>Risks</li> <li>Cyberbullying</li> <li>Social media</li> <li>Online grooming</li> </ul>	<ul style="list-style-type: none"> <li>Digital Footprint</li> <li>Information Literacy</li> <li>Digital Citizenship</li> <li>Critical Thinking</li> </ul>	<ul style="list-style-type: none"> <li>Range</li> <li>Pivot Table</li> <li>Cell Reference</li> <li>Absolute Reference</li> <li>Relative Reference</li> <li>Conditional Formatting</li> <li>Data Validation</li> <li>Chart</li> <li>Filter</li> <li>Sort</li> <li>Macro</li> <li>AutoSum</li> <li>Lookup Function</li> <li>Axis</li> <li>Header and Footer</li> </ul>	<ul style="list-style-type: none"> <li>Processor (CPU)</li> <li>Memory (RAM)</li> <li>Hard Drive</li> <li>Motherboard</li> <li>Graphics Card (GPU)</li> <li>Peripheral</li> </ul>	<ul style="list-style-type: none"> <li>Presentation Software</li> <li>Database Software</li> <li>Graphic Design Software</li> <li>Integrated Development Environment (IDE)</li> </ul>	<ul style="list-style-type: none"> <li>Variable</li> <li>Conditional Statement</li> <li>Loop</li> <li>Function</li> <li>Data Structure</li> <li>Debugging</li> </ul>	<ul style="list-style-type: none"> <li>HTML (Hypertext Markup Language)</li> <li>CSS (Cascading Style Sheets)</li> <li>Hyperlink: A clickable element in a web page that directs users to another location, such as another web page, website, or file.</li> <li>Web Development:</li> </ul>
<b>Key Assessment Task (KAT)</b>	<b>Key Assessment Task (KAT)</b>	<b>Key Assessment Task (KAT)</b>	<b>Key Assessment Task (KAT)</b>	<b>Key Assessment Task (KAT)</b>	<b>Key Assessment Task (KAT)</b>	<b>Key Assessment Task (KAT)</b>
<ul style="list-style-type: none"> <li>End of unit assessment.</li> </ul>	<p><b>CAT's Assessments</b>  <b>Production of three documents demonstrating key skills based on a given scenario .</b>  <b>Documents include:</b></p> <ul style="list-style-type: none"> <li>Letters</li> <li>Memo</li> <li>Flyers</li> </ul>	<p><b>Production and analysis of data sets using spreadsheet software.</b></p> <p>Spreadsheet formulas assessment</p>	<ul style="list-style-type: none"> <li>End of Unit Assessment</li> </ul>	<ul style="list-style-type: none"> <li>End of Unit Assessment</li> </ul>	<p><b>Use of different media to produce a website</b></p> <p>End of unit assessment</p>	<p><b>Observational assessment of progress throughout the module</b></p> <p><b>Students demonstrate the skills they have learnt and create a website.</b></p>



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	E-Safety	Digital Literacy	Data Manipulation	Computer Systems & Hardware	Application Software	Scratch Programming
<b>Mastering</b>	<b>Current Level:</b> You actively teach others about e-safety and stay informed about the latest online threats and safety measures.	<b>Current Level:</b> You create and share your own digital content, such as blog posts or videos, and explore advanced digital tools and applications.	<b>Current Level:</b> You can create data visualisations, like graphs and dashboards, and use advanced data analysis tools or software.	<b>Current Level:</b> You can build your own computer or set up a network, and optimise computer performance and ensure system security.	<b>Current Level:</b> You can integrate different applications to complete complex projects, like creating detailed reports and presentations using various software.	<b>Current Level:</b> You can incorporate functions (My Blocks) and use extensions to add new features, creating advanced projects.
<b>Advancing</b>	<b>Current Level:</b> You effectively use privacy settings on social media and understand the importance of keeping your personal information safe.	<b>Current Level:</b> You can evaluate the reliability of online information and use digital tools for collaboration, like shared documents and discussion forums.	<b>Current Level:</b> You can use complex formulas and functions, and clean and format data for analysis.	<b>Current Level:</b> You can upgrade or replace computer components and understand different types of operating systems.	<b>Current Level:</b> You can use advanced features in applications, like adding animations to presentations, creating complex formulas in spreadsheets, and editing images.	<b>Current Level:</b> You can use variables and lists to keep track of information, creating more complex games or simulations.
<b>Securing</b>	<b>Current Level:</b> You can create strong passwords and know how to avoid unsafe websites and online scams.	<b>Current Level:</b> You can use different types of software, like word processors and presentation tools, and know how to save and organise your work.	<b>Current Level:</b> You can create simple formulas to perform basic calculations and organise data into tables or charts.	<b>Current Level:</b> You can troubleshoot simple hardware issues and know how to install and update software.	<b>Current Level:</b> You can create presentations with slides and edit spreadsheets, using the basic functions of these applications.	<b>Current Level:</b> You can use loops and conditional statements to make your projects interactive and dynamic.
<b>Developing</b>	<b>Current Level:</b> You understand basic online safety rules, like not	<b>Current Level:</b> You can use a search engine to	<b>Current Level:</b> You can sort and filter data in a	<b>Current Level:</b> You understand the basic	<b>Current Level:</b> You can use various features of	<b>Current Level:</b> You can use different types of

	sharing personal details with strangers and recognizing safe websites.	find information and understand how to safely navigate websites.	spreadsheet and understand the basic types of data.	parts inside a computer, like the CPU and RAM, and their functions.	basic applications, like formatting text in a word processor and using different functions in a calculator app.	blocks, like motion, looks, and sound, to create a simple story or animation.
<b>Emerging</b>	<b>Current Level:</b> You know that you should ask an adult for help when you feel unsafe online.	<b>Current Level:</b> You know how to turn on a device and open a few basic apps or programs.	<b>Current Level:</b> You can enter simple data into a spreadsheet or basic database.	<b>Current Level:</b> You can turn on a computer and identify basic parts like the keyboard and mouse.	<b>Current Level:</b> You can open and use a few basic applications like a web browser or a word processor.	<b>Current Level:</b> You can open Scratch and use basic blocks to make a sprite move or say something.