

# Leechpool Computing Long Term Plan

Year	Autumn Term 1 <b>Multimedia</b>	Autumn Term 2 <b>Technology</b>	Spring Term 1 <b>E-Safety</b>	Spring Term 2 <b>Programming</b>	Summer Term 1 <b>Data Handling</b>	Summer Term 2
<b>EYFS</b>	<p>Exploring equipment.            Playing games with Beebots / Ipads etc.            To take pictures using an Ipad.            To know how to be safe when using devices.            To know how to program a Beebot.            To learn how to upload a photo to Seesaw.</p>					
<b>YR 1</b>	<p><b>Multimedia</b></p> <p><b>Understanding SeeSaw</b></p> <p>To know how to use / upload to SeeSaw.</p>	<p><b>Programming</b></p> <p><b>Programming Bee-Bots</b></p> <p>To know how to use basic commands when using Bee-Bots.</p>	<p><b>E-Safety</b></p> <p><b>Understanding the importance of E-Safety</b></p> <p>To know about what's right and wrong on the internet.</p> <p>*Also teach typing skills during this unit as explicit lessons.</p>	<p><b>Data Handling</b></p> <p><b>Grouping Data</b></p> <p>To know how to organise online images into groups.</p>	<p><b>Technology</b></p> <p><b>Using Search Engines</b></p> <p>To know how to navigate through a search engine.</p> <p>*Typing skills / Log in on to laptops.</p>	<p><b>Unit 1.6: Develop typing skills</b></p> <p>To log on to Google Classroom.            To develop keyboard and mouse skills.</p>
<b>YR 2</b>	<p><b>Multimedia</b></p> <p><b>Logging on to devices and developing typing skills.</b></p> <p>To know how to log on to a device. To develop typing skills.</p>	<p><b>Technology</b></p> <p><b>Opening word or google document and typing.</b></p> <p>To know how to use basic keyboard functions (space bar / full stop / enter).</p>	<p><b>E-Safety</b></p> <p><b>Understanding the importance of E-Safety</b></p> <p>To know about keeping my identity hidden online.</p>	<p><b>Programming</b></p> <p><b>Programming with Logo</b></p> <p>To know how to program basic commands through Logo.</p>	<p><b>Data Handling</b></p> <p><b>Bug Hunt</b></p> <p>To know how to gather data and store it.</p> <p><b>J2E.com</b></p>	<p><b>Multimedia</b></p> <p><b>Developing keyboard skills</b></p> <p>To develop keyboard and mouse skills.</p>

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			*Also teach typing skills during this unit as explicit lessons.			
<b>YR 3</b>	<p><b>Multimedia</b></p> <p><b>Keyboard skills</b></p> <p>To develop keyboard skills (logging on to Google Classroom and typing).</p>	<p><b>Technology</b></p> <p><b>Video Editing</b></p> <p>To know how to edit video clips, adding in transitions and music.</p> <p><i>SwOn: We are presenters</i></p>	<p><b>E-Safety</b></p> <p><b>Understanding the importance of E-Safety</b></p> <p>To understand not all websites are safe and child-friendly. To understand digital footprints and what they show.</p> <p>*Also teach typing skills during this unit as explicit lessons.</p>	<p><b>Multimedia</b></p> <p><b>Presenting Eye-catching PowerPoints</b></p> <p>To know how to combine the keyboard skills I have learnt this year.</p>	<p><b>Programming</b></p> <p><b>Scratch Basics</b></p> <p>To know how to implement simple commands using block coding.</p>	<p><b>Data Handling</b></p> <p><b>School Surveys</b></p> <p>To know how to gather data through a survey and present the findings.</p> <p>(Mentimeter)</p>
<b>YR 4</b>	<p><b>Multimedia</b></p> <p><b>Bringing stories to life through Adobe Spark</b></p> <p>Retrieval of keyboard skills. Create a presentation</p>	<p><b>Programming</b></p> <p><b>Lenny's Toy Shop</b></p> <p>To know how to create simple commands to make an image interactive.</p> <p><i>SwOn: We are toy designers</i></p>	<p><b>E-Safety</b></p> <p><b>Understanding the importance of E-Safety</b></p> <p>To know how to safely post content online and understand information's reliability.</p> <p>*Also teach typing skills during this unit as explicit lessons.</p>	<p><b>Technology</b></p> <p><b>Class Webpage</b></p> <p>To know how to share factual information for others to view using Google Sites.</p>	<p><b>Data Handling</b></p> <p><b>Predicting the weather</b></p> <p>To know how to record a variety of data and compare it.</p> <p><i>SwOn: We are meteorologists</i></p>	<p><b>Multimedia</b></p> <p><b>Developing keyboard skills</b></p> <p>To develop keyboard and mouse skills.</p>

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<p><b>YR 5</b></p>	<p><b>Multimedia</b></p> <p><b>Blogging our knowledge</b></p> <p>To know how to create a blog, adding media and hyperlinks.</p>	<p><b>Technology</b></p> <p><b>Manipulating images</b></p> <p>To know how to change the look of an image and create your own scene.</p>	<p><b>E-Safety</b></p> <p><b>Understanding the importance of E-Safety</b></p> <p>To recap on the dangers online and helping others become more aware.</p>	<p><b>Programming</b></p> <p><b>Scratch Interactive Stories</b></p> <p>To know how to control sprites to move and talk to tell a story, giving the user options.</p> <p><i>SwOn: We are game developers</i></p>	<p><b>Data Handling</b></p> <p><b>Sports Events Data</b></p> <p>To know how to record real data in Excel and present it for a future purpose.</p>	<p><b>Programming</b></p>
<p><b>YR 6</b></p>	<p><b>Multimedia</b></p> <p><b>The Leechpool Gazette</b></p> <p>To create a Leechpool-based newspaper, thinking about the sourcing of information and how it is published.</p> <p><i>SwOn: We are publishers</i></p>	<p><b>Programming</b></p> <p><b>Using algorithms for mathematics</b></p> <p>To be able to edit / create code to complete mathematical problems.</p> <p><i>SwOn: We are computational thinkers</i></p>	<p><b>E-Safety</b></p> <p><b>Understanding the importance of E-Safety</b></p> <p>To create a text-based game using Python, highlighting common dangers online.</p>	<p><b>Technology</b></p> <p><b>Virtual Environments</b></p> <p>To know how to use 3D modelling tools to create fictional scenes.</p> <p><i>SwOn: We are architects</i></p>	<p><b>Data Handling</b></p> <p><b>Data Problems Investigation</b></p> <p>To know which tools are most effective for gathering and presenting data.</p>	<p><b>Programming</b></p> <p><b>Microbits</b></p> <p>To use programming skills learnt to complete a Microbit challenge.</p>