

|                      | Autumn 1                                                                                                                                   | Autumn 2                                                                                                             | Spring 1                                                                                                                   | Spring 2                                                                                                                            | Summer 1                                                                                                                               | Summer 2                                                                                                                             |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Online Safety</b> | Health, well-being and lifestyle                                                                                                           | Self-image and identity                                                                                              | Copyright and ownership                                                                                                    | Managing online information                                                                                                         | Privacy and security                                                                                                                   | Online reputation                                                                                                                    |
| <b>EYFS</b>          | Children have access to iPads to take photos, have access a variety of apps linked to different areas of the curriculum                    |                                                                                                                      |                                                                                                                            |                                                                                                                                     | Children have access to Bee-Bots to programme and explore                                                                              |                                                                                                                                      |
| <b>Year 1</b>        | <b><u>Technology around us</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- paintz.app</li> </ul>                       | <b><u>Moving a robot</u></b> <ul style="list-style-type: none"> <li>- Bee-Bots</li> </ul>                            | <b><u>Digital Painting (IT)</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Microsoft Paint</li> </ul> | <b><u>Programming animations</u></b> <ul style="list-style-type: none"> <li>- iPads</li> <li>- ScratchJr</li> </ul>                 | <b><u>Grouping data</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Microsoft PowerPoint</li> </ul>                | <b><u>Digital writing</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Microsoft Word</li> </ul>                  |
| <b>Year 2</b>        | <b><u>Information technology around us</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Microsoft PowerPoint</li> </ul> | <b><u>Robot algorithms</u></b> <ul style="list-style-type: none"> <li>- Bee-Bots</li> </ul>                          | <b><u>Digital photography</u></b> <ul style="list-style-type: none"> <li>- Laptop</li> <li>- iPads</li> </ul>              | <b><u>Programming quizzes</u></b> <ul style="list-style-type: none"> <li>- iPads</li> <li>- ScratchJr</li> </ul>                    | <b><u>Pictograms</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- j2data Pictogram</li> <li>-</li> </ul>            | <b><u>Making music</u></b> <ul style="list-style-type: none"> <li>- Laptops/iPads</li> <li>- Chrome Music Lab</li> </ul>             |
| <b>Year 3</b>        | <b><u>Connecting computers</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- any painting program</li> </ul>             | <b><u>Sequencing sounds</u></b> <ul style="list-style-type: none"> <li>- Laptops/iPads</li> <li>- Scratch</li> </ul> | <b><u>Stop-frame animation</u></b> <ul style="list-style-type: none"> <li>- iPads</li> <li>- iMotion</li> </ul>            | <b><u>Events &amp; actions in programs</u></b> <ul style="list-style-type: none"> <li>- Laptops/iPads</li> <li>- Scratch</li> </ul> | <b><u>Branching databases</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- j2data Branch &amp; Pictogram</li> </ul> | <b><u>Desktop publishing</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Adobe Express or similar)</li> </ul>    |
| <b>Year 4</b>        | <b><u>The internet</u></b> <ul style="list-style-type: none"> <li>- Laptop/iPads</li> <li>- various websites</li> </ul>                    | <b><u>Repetition in shapes</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- FMSLogo</li> </ul>    | <b><u>Audio production</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Audacity</li> </ul>             | <b><u>Repetition in games</u></b> <ul style="list-style-type: none"> <li>- Laptops/iPads</li> <li>- Scratch</li> </ul>              | <b><u>Data logging</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Data logger &amp; assoc. software</li> </ul>    | <b><u>Photo editing</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Paint.NET (for Microsoft Windows)</li> </ul> |

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| Year 5 | <b><u>Sharing information</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Google Slides or similar</li> </ul>    | <b><u>Selection in physical computing</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Crumble controller &amp; starter kit &amp; motor</li> </ul> | <b><u>Video production</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Microsoft Photos (for Windows 10)</li> </ul> | <b><u>Selection in quizzes</u></b> <ul style="list-style-type: none"> <li>- Laptops/iPads</li> <li>- Scratch</li> </ul>              | <b><u>Flat-file databases</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- j2data Database</li> </ul>          | <b><u>Vector drawing</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Google Drawings</li> </ul> |
|        | Server                                                                                                                               | Server                                                                                                                                                                | Server                                                                                                                                  | Server                                                                                                                               | Server                                                                                                                            | Server                                                                                                              |
| Year 6 | <b><u>Internet communication</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Google Slides or similar</li> </ul> | <b><u>Variables in games</u></b> <ul style="list-style-type: none"> <li>- Laptops/iPads</li> <li>- Scratch</li> </ul>                                                 | <b><u>Webpage creation</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Google Sites or similar</li> </ul>           | <b><u>Sensing</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- micro:bit</li> <li>- Microsoft MakeCode</li> </ul> | <b><u>Introduction to spreadsheets</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Microsoft Excel</li> </ul> | <b><u>3D modelling</u></b> <ul style="list-style-type: none"> <li>- Laptops</li> <li>- Tinkercad</li> </ul>         |
|        | Server                                                                                                                               | Server                                                                                                                                                                | Server                                                                                                                                  | Server                                                                                                                               | Server                                                                                                                            | Server                                                                                                              |

Computing systems & Networks= (DL)

Creating Media = IT

Programming = CS

Data & Information = IT

DL = Digital Literacy

CS= Computer Science

IT= Information Technology