**Curriculum Overview by Year Group**

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|  | **Autumn 1** | | | **Autumn 2** | | **Spring 1** | | **Spring 2** | | **Summer 1** | | | **Summer 2** |
| **Year 1** | E-safety:  Using the internet safely. | | Information Technology  Typing training. | Coding with Tynker JR | E-safety:  the internet safely | Digital Literacy: Using a computer/device. | | Information Technology: bug hunters Finding, saving, organising, sending, and presenting | | Information Technology: Potty Painters - Digital Art and book design | | | Computer Science: Scratch Jnr - introduction and fundamentals |
| **Year 2** | E-safety: Staying safe on the internet – Jessie and Friends. | | | Computer Science: Scratch Jnr - introduction and fundamentals | | Digital Literacy: Using search. Typing training. | | Information Technology:  Using a computer.  What is the Internet. | Information Technology: Introduction to photo editing. | Information Technology: taking and using photos | | Information Technology: Presentations iOS | Computer Science: Scratch Jnr - introduction and fundamentals |
| **Year 3** | E-safety: Google Share with care | | | Information Technology: Research and develop a topic  Use school current school topic | | E-safety: Google Be Internet Brave | Computer Science: Lightbot -Algorithms | Computer Science: Tynker - Animations | | Computer Science: Tynker –  Loops, debugging and events. | | | Computer Science: Tynker –  If statements. HTML App Coding |
| **Topic related activities throughout the year.** |
| **Year 4** | E-safety: Google Don’t fall for fake | | | Computer Science: Networks:  Understanding the different ways computer communicate | Information Technology:  Email | Information Technology:  Word processing  PowerPoint | Information Technology:  Photo Editing -  Functions | Computer Science: Tynker - Algorithms Conditions, Functions and App design | | Information Technology: Stop motion animation | | | Computer Science: Scratch Creation of controllable maze game. |
| **Year 5** | E-safety: Google Secure your secrets | Information Technology: Using shared cloud documents  Use school current school topic | | Computer Science: Spreadsheets – Using Formula to automate mathematical problems. | Computer Science: Networks: Search Algorithms | E-safety: Cyberbullying | Computer Science: Lightbot –  Algorithms Procedures. Loops and Debugging | Computer Science: Scratch –  Simple Game creation | | Information Technology: Animation through varied apps | Information Technology: Website creation. SharePoint  Use school current school topic | | Computer Science: Microsoft Kodu –  Advanced game creation |
| **Topic related activities throughout the year.** |
| **Year 6** | E-safety: Google It’s cool to be kind  Interland’s Kind Kingdom | | | Information Technology: 3D modelling using Sketchup. | Information Technology:  Creating CVs  **Using IT beyond school** | E-safety: Why is Social Media Free?  Fake News in real life. | Information Technology:  Making Videos | Computer Science: MIT App Inventor–    Making an app about secondary schools to take home  **Using IT beyond school** | | Computer Science: HTML Hacking and Python Coding | Information Technology: ChildNet video competition | | Computer Science:  Swift Playground –  Conditional Code, While loops and Logic. |