**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 topicUse 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 processingPowerPoint | 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 documentsUse 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. SharePointUse 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 kindInterland’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. |