

## Curriculum Overview by Year Group

|  | Autumn 1  |   | Autumn 2  |   | Spring 1  |   | Spring 2   |  | Summer 1   |   | Summer 2  |
|--|---|---|---|---|---|---|--|--|--|---|---|
| <b>Year 1</b>  | E-safety: Using the internet safely.                                  | Information Technology<br>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 |
| <b>Year 2</b>  | 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 |
| <b>Year 3</b>  | E-safety: Google Share with care                                      |   | Information Technology: Research and develop a topic<br><a href="#">Use school current school topic</a> |   | 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     |
| <b>Topic related activities throughout the year.</b> |   |   |   |   |   |   |  |  |  |   |   |
| <b>Year 4</b>  | E-safety: Google Don't fall for fake                                  |   | Computer Science: Networks: Understanding the different ways computer communicate                       | Information Technology: Email   | Information Technology: Word processing<br>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.   |   |
| <b>Year 5</b>  | E-safety: Google Secure your secrets                                  | Information Technology: Using shared cloud documents<br><br><a href="#">Use school current school topic</a> | 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<br><br><a href="#">Use school current school topic</a> | Computer Science: Microsoft Kodu – Advanced game creation     |
| <b>Topic related activities throughout the year.</b> |   |   |   |   |   |   |  |  |  |   |   |
| <b>Year 6</b>  | E-safety: Google It's cool to be kind<br><br>Interland's Kind Kingdom |   | Information Technology: 3D modelling using Sketchup.  | Information Technology: Creating CVs<br><b>Using IT beyond school</b> | E-safety: Why is Social Media Free? Fake News in real life. | Information Technology: Making Videos                                   | Computer Science: MIT App Inventor–<br><br>Making an app about secondary schools to take home<br><b>Using IT beyond school</b> | Computer Science: HTML Hacking and Python Coding       | Information Technology: ChildNet video competition                   | Computer Science: Swift Playground –<br><br>Conditional Code, While loops and Logic.                        |   |