St Anne's Catholic Primary School

Route A	Autumn	Spring	Summer	Byte Size Unit
Reception	**My Online Life** *This activity takes place over the course of the term.* *It Covers all of the DfE statutory requirements for digital literacy and online safety.* **Digital Literacy & Information Technology**	**Robots** *This Unit gives children their first taste of computing (computational thinking and coding). The children will learn new skills and practice giving instructions to complete tasks. Includes a range of continuous provision activities.* **Computer Science** Assessment: 1, 3, 4, 5, 6, 7	**Talking Technology** *The children will learn how to take photo's record video and audio. This is an important skill that will enable them to document their own learning and ideas. The children will create a Tech Museum as they get to explore and play with old technology.* **Computer Science, Information Technology & Digital Literacy** Assessment: 1, 2, 3, 7, 8, 10	**R8 Beats and Rhythms** *The children will use simple sound recording apps and music creation apps to make their own musical loops. Bags of fun for little DJs.* **Essential skills & Information Technology** *Assessment: 1, 3, 7*
Key Stage One	**My Online Life** *This activity takes place over the course of the term.* *It Covers all of the DfE statutory requirements for digital literacy and online safety.* **Digital Literacy & Information Technology**	**What is a Computer?** *In this unit children will learn about the different parts of a computer and iPad. They will learn new skills, tops and tricks. The children will be able to see the inner working of a computer and build their own. Includes a range of continuous provision activities.* **Computer Science, Information Technology & Digital Literacy** Assessment: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13	**Code a Story** *The children will write a basic story with illustrations. They will turn this into an animated story using visual coding. The activity will introduce new concepts such as conditional language, repeat loops and debugging.* **Computer Science, Information Technology & Digital Literacy** Assessment: 1, 2, 3, 4, 5, 6, 7, 8, 9, 17, 18	**Drawing Maths** This activity blends art and maths. The children will master art apps while exploring shape, numbers and problem solving. **Essential skills, Information Technology and Digital Literacy** Assessment: 1, 7, 8, 13
Lower Key Stage Two	**My Online Life** *This activity takes place over the course of the term.* *It Covers all of the DfE statutory requirements for digital literacy and online safety.* **Digital Literacy & Information Technology**	**Programming with Robots** *Robots can be found almost everywhere. In this unit the children explore the history of robots and they get to program a robot around a maze.* **Computer Science** Assessment: 1, 3, 5, 6, 7 , 8, 9	**Endangered Animals** *The children will learn about the career of a games designer. They will play games, write reviews and then design and prototype their own game. Finally they will pitch their game idea to their class.* **Computer Science & Information Technology** Assessment: 2, 8, 9, 10, 11, 12	**Keyboard Adventures** *In this activity the children will master the art of using a keyboard and short cuts with a series of fun activities.* **Essential Skills and Digital Literacy** Assessment: 1, 10, 11
Upper Key Stage 2	**My Online Life** *This activity takes place over the course of the term.* *It Covers all of the DfE statutory requirements for digital literacy and online safety.* **Digital Literacy & Information Technology**	**Girls V Boys STEM challenges** *This activity will pit the girls against the boys (or 2 teams of mixed pupils if you wish) in a series of STEM challenges They will tackle code, maths, art, DT and lots of problem solving.* **Computer Science & Information Technology** Assessment: 2, 3, 4, 5, 6, 11	**VR Worlds** *The class will explore Virtual Reality (VR) and how it can be used in the classroom. The chidren will also build their own VR world.* **Computer Science & Information Technology** Assessment: 2, 7, 9, 10, 11, 12	**Music Composer** *In this fun and bite sized activity, children will learn about what being a Music Composer actually means. The children will use GarageBand to create their own jingle for an app.* **Essential Skills, Information Technology**

"Living and Working as Jesus taught us".