St Anne's Catholic Primary School

Route B	Autumn	Spring	Summer	"Byte" Size Unit (Summer 2)
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**	**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**	**R8 Beats & Rhythm** *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**
Key Stage One	**Online Buddies** *This activity will explore what friendship means online. The children will learn about the do's and don'ts of communicating over the internet.* **Digital Literacy**	**Making Games** *Using Scratch the children will create a hero versus villain game. They will create sprites and learn the basics of using Scratch coding.* **Computer Science**	**Presentations and Typing** *The children will learn to use presentation software and develop their keyboard skills.* **Information Technology**	**Maths Madness** *The children take part in a maths scavenger hunt and then create their own version by creating QR codes and maths videos.* **Essential Skills and Information Technology**
Lower Key Stage Two	**Real or Fake?** *Fake news is a serious concern and in this activity children will learn how they can sort the truth from the lies. Making videos to show what they have found out.* **Digital Literacy & Computer Science Information Technology**	**Game Designer** *The children will learn all about the career of games designer. They will play games, write reviews and then design and prototype their own game. Finally they will pitch their game idea to the class.* **Computer Science**	**Dinosaurs** *In this activity the children will make their own summer blockbuster. They will learn all about filming techniques and storytelling skills.* **Information Technology**	**Wizard School** *The children will undertake a series of creative challenges based around the Harry Potter books.* **Information Technology**
Upper Key Stage 2	**Online Safety Dilemmas** *In this activity the children will become online safety ambassadors. They will be given modern day dilemmas. Dilemmas that children face everyday online and asked to produce a series of "what to do" videos to explain how to cope online.* **Computer Science, Digital Literacy & Information Technology**	**Chicken Run - Crossy Roads** *The children will create their own version of the popular app Crossy Roads using visual coding. They will learn about decomposition and how to evaluate games.* **Computer Science**	**Binary Messages** *This activity introduces binary code. It explains what binary code is and how it is used. The children then challenge each other to solve word problems by using binary code.* **Computer Science, Information Technology & Digital Literacy**	**News Reporter & Podcaster** *Children will produce their own podcasts. Schools are increasingly using the internet to promote what they do, and to celebrate the achievements of their children, and podcasting is an excellent way of doing this* **Information Technology & Digital Literacy**

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