Computing Long Term Plan

Year A

	Autumn	Spring	Summer
St Bernadette Year 1 / 2	**Computing Systems & Networks** Technology around us (NCCE Year 1 Unit 1) *Use of Chromebooks, introduce usernames, passwords, log-on details and "digital" passes.* **Coding** On the Move (Discovery Education Level 1A)	**Information Technology** Digital Writing (Oak National Academy Year 1 Unit 2) *Using a computer to create and manipulate text.* **Coding** Simple inputs (Discovery Education Level 1B)	**Information Technology** Digital Paining (Oak National Academy Year 1 Unit 1) *Using a computer to create digital paintings.* **Coding** Moving a Robot (NCCE)
St Cecilia Year 3 / 4	**Computing Systems & Networks** Computer Networks (NCCE Year 3 Unit 1) *Use of Chromebooks, introduce usernames, passwords, log-on details and "digital" passes.* **Coding** Sequence & Animation (Discovery Education Level 3A)	**Information Technology** Stop-frame animation (Oak National Academy Year 3 Unit 2) *Explore a range of techniques to create a stop-frame animation.* **Coding** Conditional events (Discovery Education Level 3B)	**Information Technology** Desktop Publishing (Oak National Academy Year 3 Unit 5) *Using a computer to create digital paintings.* **Coding** Programming sequence using sound (Oak National Academy Year 3 Unit 3)
St Anthony Year 5 / 6	**Computing Systems & Networks** Computer Networks (NCCE Year 5 Unit 1) *Use of Chromebooks, introduce usernames, passwords, log-on details and "digital" passes.* **Coding** Speed, direction & co-ordinates (Discovery Education Level 5A)	**Information Technology** Introduction to vector graphics (Oak National Academy Year 5 Unit 5) *Discover how to use drawing tools to create vector images.* **Coding** Random numbers & simulations (Discovery Education Level 5B)	**Information Technology** Video production (Oak National Academy Year 5 Unit 2) *Using a computer to create short videos.* **Coding** Flat-file databases (Oak National Academy Year 5 Unit 4)

Year B

	Autumn	Spring	Summer
St Bernadette Year 1 / 2	**Computing Systems & Networks** Technology in the world beyond school (Oak National Academy Year 2 Unit 1) *Use of Chromebooks, introduce usernames, passwords, log-on details and "digital" passes.* **Coding** Different sorts of input (Discovery Education Level 2A)	**Information Technology** Digital Music (NCCE Year 2 Unit 5) *Using a computer to create and manipulate music.* **Coding** Buttons and instructions (Discovery Education Level 2B)	**Information Technology** Using IT to organise and present data (Oak National Academy Year 2 Unit 2) *Explore collection and organisation of data.* **Coding** Building sequences in programmes (Oak National Academy Year 2 Unit 3)
St Cecilia Year 3 / 4	**Computing Systems & Networks** The internet (Oak National Academy Year 4 Unit 1) *Use of Chromebooks, introduce usernames, passwords, log-on details and "digital" passes.* **Coding** Introduction to variables (Discovery Education Level 4A)	**Information Technology** Audio production (Oak National Academy Year 4 Unit 2) *Explore the input and output devices required to work with sound digitally.* **Coding** Repetitions and loops (Discovery Education Level 4B)	**Information Technology** Organising data using databases (Oak National Academy Year 3 Unit 4) *Develop knowledge of branching databases..* **Coding** Using repetition in programming to create a game. (Oak National Academy Year 4 Unit 6)
St Anthony Year 5 / 6	**Computing Systems & Networks** Communication and the internet (Oak National Academy Year 6 Unit 1) *Use of Chromebooks, introduce usernames, passwords, log-on details and "digital" passes.* **Coding** More complex variables coding (Discovery Education Level 6A)	**Information Technology** Web page creation (Oak National Academy Year 6 Unit 2) *Discover how to create websites for a chosen purpose.* **Coding** Object properties (Discovery Education Level 6B)	**Coding** Using variables in programing to create a game (Oak National Academy Year 6 Unit 3) **Information Technology** 3D modelling (Oak National Academy Year 6 Unit 5) *Discover how computers can be used to produce 3D models..*