St Laurence Catholic Primary School
Computing linked to IPC

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1/2 A	The Magic Toymaker **Exploring how computer games work:** Can you make predictions on what this game will do?	Super Humans **Online Safety and exploring purple mash:** Can you log onto a computer? Can you search Purple Mash to find resources? Can you save your work?	**People of the Past** **Creating Pictures** – Can you create a painting in the style of famous artist?	What's it Made of **Multimedia Sounds** – Can you create a talking book? Literacy link.	From A to B **Algorithms:** Can you program a floor robot to get from A to B, using logical reasoning to make predictions, debugging when needed?	Seeing the Light **Online safety and Communicating:** Can you understand that emails can be used to communicate? Can you compose and send an email
Year 1/2 B	Time Travellers **One line Safety and understanding technology**: Can you say some of the common uses of technology? Can you say how computers have changed over time?	We are what we eat **Multimedia –Videos**: Can you produce a short video of yourself making a recipe for a healthy meal?	Say Cheese Computing unit **Programming:** Can you write and deplug a computer program using scratch junior? **Manipulating images:** Can you take, insert and edit pictures using technology?	Our Home **Collecting data:** Can you record data from a bug hunt?	**Horray Let's go on holiday** **Effective Searching:** Can you effectively carry out an internet search using key search terms. Link searches to topic work.	Flowers and Insects **Presenting Ideas:** Can you use 2Publish to share what you have learnt about flowers and insects?
Year 3/4 A	Scavengers and Settlers **Online Safety:** Can you say how to keep your personal information safe? Can you say what you would do if you were being bullied online?	Turn it up **Multimedia Sounds:** Can you use an iPad and garage band to create your own soundtrack?	Active Planet **Programming:** Can you create an animated cartoon of a volcanic eruption using scratch?	Material World **Understanding computer networks:** Can you say how the computer network works in school?	Let's plant it **Data logging:** Can you solve an investigation and present the results in a graph.	Gateways to the world **Programming:** Can you use sequence, repetition and selection in a computer program. Maths link – drawing shapes.
Year 3/4 B	How humans change **Presentation and Word Processing:** Can you create a presentation (linked to IPC topic) containing screenshots, saved images, tables and hyperlinks.	Tombs. Temples and Treasures **Effective searching:** Can you search effectively and appreciate how results are selected and ranked and be discerning in evaluating digit content?	Bright Sparks **Programming:** Can you add programmable lights to a picture? (Lighting up pictures) (crumbles or microbits)	Digital gamers **Programming:** Can you create a game using scratch?	Living Together **Blogging and Vlogging:** Can you communicate effectively online?	Land. Sea and Sky **Branching Databases:** Can you create a branching database to classify sea animals.
Year 5/6 A	The Great, the Bold and the Brave **VR: Can you make a virtual museum to go alongside the artefacts you have made?**	Extreme survivors Programming: Kodu design you own world	Cosmic Explorers Digital Literacy: Can you use hyperlinks in PowerPoint to create interactive stories?	Grouping and classifying Materials Online Safety: Can you keep your personal information safe? **Web designers:** Can you design a webpage to show how to keep safe online.	**3D Designers** **Programming:** Can you create a 2-player computer race game using scratch **3D modelling:** Can you create and design a dream room using Sketch up	Out of Africa **Survey:** Can you design and carry out a survey?
Year 5/6 B	History of non-European societies **Searching the internet**: Can you search effectively (link to topic work) and evaluate online content?	Being Human **Data logging:** Can you use a data logger for an investigation and present the results?	Weather and Climate **E-safety**-respectful commenting + Looking at copyright **Programming**: Can you use inputs and outputs to program an interactive online quiz about 'Weather and Climate'?	Fairgrounds **Rollercoaster stimulations:** Can you design, write and debug programs for a fairground ride simulation?	The Holiday Show **Creating and designing apps:** Can you research and design your own translation app for a world traveller to use on their mobile phone?	Making New Materials **App developer and marketer:** Can you develop and market your app? Can you think about the materials you would need?