St Albert's Catholic Primary School - ICT Overview – Year 1

	E-safety	Programming and Algorithms	Multimedia	Digital Literacy
Year 1				
	I can tell you what personal information is. I can keep a password private. I know I must tell a trusted adult if anyone tried to meet me via the internet. I can follow e-safety rules.	I can create a series of instructions. I can plan a journey for a programmable toy. I can describe what happens when I press different buttons on a robot. I can begin to make predictions of what will happen from a short series of instructions.	I can use the keyboard or word bank on my device to enter text. I can create digital content. I can store digital content. I can retrieve digital content. I can use technology to present my ideas. I can use a website. I can use a camera. I can record and playback sound.	I can begin to identify some of the benefits of using technology.

St Albert's Catholic Primary School - ICT Overview – Year 2

	E-safety	Programming and Algorithms	Multimedia	Digital Literacy
Year 2				
	As Year 1 plus: I can explain the need to keep personal information private. I know where to go for help if I am concerned. I can use technology respectfully. I know that not all information found online is true.	As Year 1 plus: I can use a range of instructions to meet a goal. I can test and amend instructions using the word 'debug'. I can use logical reasoning to predict the outcome of a series of instructions. I understand that algorithms are used on digital devises. I understand the need for precise instructions when programming.	As Year 1 plus: I can organise digital content. I can retrieve and manipulate digital content. I can describe an online tool that helps to share my ideas.	As Year 1 plus: I know how technology is used inside and outside of school. I can start to use technology to find information. I know the difference between email and communication systems such as blogs. I can begin to use search engines. I can bookmark websites. I can talk about the different ways I use technology to collect information.

		E-safety	Programming and Algorithms	Multimedia	Digital Literacy
Year 3					
		As Year 2 plus: I can use technology respectfully and responsibly. I know different ways of getting help if I am concerned online. I can make a secure password. I can recognise age appropriate websites. I can follow the safety features of a website. I can make judgments about appropriate amounts of time to spend online. I can recognise that information on the internet can be fact, fiction or opinion.	**As Year 2 plus:** I can design sequences of directional instructions. I can write programs that accomplish more specific goals. I can work with various forms of input. I can work with various forms of output. I can use the word 'algorithm'.	**As Year 2 plus:** I can manipulate and improve digital images. I can design and create content. I can present information in a variety of ways. I can use appropriate tools to create different effects. I can evaluate my work and improve its effectiveness. I can combine text, graphics and sound.	**As Year 2 plus:** I can discern where/when it is best to use computer technology and where/when it adds no value. I understand what computer networks are. I can use search tools. I can save and retrieve work on my device and on the internet. I can use search tools to find and use appropriate websites.

	E-safety	Programming and Algorithms	Multimedia	Digital Literacy
Year 4				
	As Year 3 plus: I know how to report an incident of cyber bullying. I can recognise acceptable and unacceptable behaviour using technology. I can explain and demonstrate how to use email safely. I understand that copyright exists on most digital images, video and music. I understand that personal information posted online can be seen and used by others.	**As Year 3 plus:** I can experiment with variables to control models. I can give an on-screen robot specific instructions that takes them from A to B. I can make an accurate prediction and explain why I believe something will happen (related to programming). I can debug a program. I understand the need for continuous testing while programming.	**As Year 3 plus:** I can select and use different software to accomplish different goals. I can collect and present data. I can produce and upload a pod cast. I can alter digital content to increase its effectiveness. I can use appropriate tools to collaborate and share my work online. I can begin to explore new media platforms	**As Year 3 plus:** I understand the importance of key words when using search tools online. I can use strategies to verify information e.g. cross-checking. I can create a hyperlink to a website on the internet. I can create a database. I can search a database to answer specific questions. I can choose the most appropriate way of presenting data.

	E-safety	Programming and Algorithms	Multimedia	Digital Literacy
Year 5				
	As Year 4 plus: I recognise why some people may post information online that is not accurate. I can recognise the potential risks of using internet communication tools and how to minimise those (including scams and phishing). I understand that online environments have security settings that can be altered to protect the user. I understand that I should not publish other people's pictures online or tag them without permission. I know how to protect my password and other information. I can talk about the dangers of spending too long online. I can discuss the importance of using age appropriate websites and games.	**As Year 4 plus:** I can use technology to control an external device. I can design algorithms that use repetition and 2-way selection. E.g. 'if' and 'then' commands. I can combine sequences of instructions and procedures to turn devices on and off. I can use logical reasoning to detect and debug problems within a program. I can use logical thinking to extend a program. I can alter inputs to a program to achieve a range of outputs.	**As Year 4 plus:** I can edit a film. I can explore new media platforms independently. I can select, use and combine the appropriate technology tools to create effects that will have an impact on others.	**As Year 4 plus:** I can create and analyse spreadsheets. I understand how search results are selected and ranked. I can discuss the positive and negative impacts of ICT. I know which resources online that I can download and use safely. I can evaluate the effectiveness of different online websites/tools for different purposes. I can choose the appropriate tool to help me collect, present and analyse data. I can discuss appropriate methods of correcting mistakes in data presented digitally. I can refine my search of a database.

		E-safety	Programming and Algorithms	Multimedia	Digital Literacy
Year 6					
		As Year 5 plus: I can discuss the risks of online use and evaluate the ways of minimising them. I understand that content put online is extremely difficult to remove. I understand that websites have commercial interests that may affect the way information is presented.	**As Year 5 plus:** I can recognise that different solutions may exist for the same problem. I can explain how an algorithm works. I can explore 'what if' questions by planning different scenarios for controlled devices. I can use logical reasoning to detect errors in algorithms. I can work with variables.	**As Year 5 plus:** I can select use and combine software on a range of digital devices. I can use a variety of software and technologies to complete a specific project. I can evaluate the effectiveness of different online and offline tools for a specific purpose. I can confidently identify the potential of unfamiliar technology.	**As Year 5 plus:** I can use appropriate strategies for finding, evaluating, validating and verifying information. I can select and use appropriate communication tools to collaborate with others to solve problems. I understand that copyrighted material cannot be copied or downloaded. I can analyse the effectiveness of a database. I can check the data I have collected for accuracy and plausibility. I can identify the internet service I need for a specific purpose. I understand 'Key Word Optimisation' and how search results are selected and ranked.