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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **E-safety** | **Computer Science** | **Information Technology** | **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** | **Computer Science** | **Information Technology** | **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. |

**St Albert’s Catholic Primary School - ICT Overview – Year 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **E-safety** | **Computer Science** | **Information Technology** | **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. |

**St Albert’s Catholic Primary School - ICT Overview – Year 4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **E-safety** | **Computer Science** | **Information Technology** | **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** | **Computer Science** | **Information Technology** | **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. |

**St Albert’s Catholic Primary School - ICT Overview – Year 5**

****

**St Albert’s Catholic Primary School - ICT Overview – Year 6**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **E-safety** | **Computer Science** | **Information Technology** | **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. |