**Wansbeck Primary School Progression in ICT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year Group** | **Digital Literacy Knowledge and Skills** | **E-Communication and Collaboration Skills and Knowledge**  | **Computer Science**  | **Basic Skills**  | **E-Safety** |
| **Programs to focus on:** | **Presenting Media** | **Documents, Word Processing and Publishing**  | **Film Making/Art** | Internet – searching and researching  | Communicating and Staying Safe |
| **KS1** | Puppet PalsPagesPublisherStrip DesignerPic CollagePaintExplain Everything (Y2 only) | **Year 1**I can create a screen with a picture that animates. I can add sound effects to an animated story. **Year 2**I can create a presentation about a topic and add pictures and text. I can present work to the class from the presentation mode.  | **Year 1**I can begin to use knowledge about word processing to type text accurately.I know how to type letters in lower case.I am beginning to know how to type letters in capitals. I am beginning to know how to use a shift key and caps lock. I can use knowledge about pictures to add a picture to a document. I know how to delete using the back space. I know how to add a picture or clip art in a document. I know how to change the font of a text. I know how to insert a picture.I know how to move a picture around the page. I know how to use copy and paste. **Year 2**I can use word processing knowledge to type text more accurately and independently. I can type letters in capitals. I understand the use of a shift key and caps lock. I know how to delete both ways using the back space and delete keys. I know how to make a text, bold, italic and underline. I know how to add and resize a text box. I know how to move a text box around the page.  | **Year 1**I can use my knowledge to create a story e.g. puppet pals. I can use my knowledge to create a piece of art using a computer/iPad program. I know how to draw shapes in different colours to make a picture. I know how to paint with different colours. I know how to paint neatly using undo to correct mistakes. **Year 2**I know how to paint neatly using undo or the rubber to correct mistakes. I know how to combine, rotate and resize photos in a collage.  | **Year 1**I can describe what information I can get from the Internet. I can use facts found on a website for a purpose within work. I know how to search using a given word and explain how to do it. I know how to look at pictures and watch videos on a website. I know how to scroll up and down to explore websites. I know how to click on hyperlinks and that they take me to a different page. I know how to scan QR codes. **Year 2**I can describe different uses of information technology beyond the school. I can explain what digital communication is.  | **Year 1**I understand that a blog is web log. With support, I know how to write a blog post. With support, I know how to leave a comment on a blog post. I know how to stay safe online. I know not to talk to strangers online. I know who to tell if anything I see or hear online is worrying me. I understand that comments made online that are hurtful or offensive are the same as bullying. **Year 2**I understand that not everything you see online is true. I understand online risks and the age rules for sites and apps. I can write a blog post more independently but with some support. I can comment on a blog post with more independence.  | **Year 1**I can write a simple program and test it. I can predict what the outcome of a simple program will be.**Year 2** I can create games online. I can use augmented reality when writing instructions.  | **Year 1**Switch on the computerLog on Open word Write a sentence (with support)Use the space bar Use enter to start a new line Know to left click to selectUse shift or caps lock to add a capital letterKnow how to delete a letter/word **Year 2**Write a short piece of text Correct a mistake Develop skills to use shift key for ? and ! Know to save, print and open documents (with support)Use mouse/arrow keys to go back and add wordsWrite and send an email Use bold/italics/underline to change text Know how to copy and paste Know how to change the fontKnow how to add a picture and text box | **Year 1**Know how to stay safe onlineKnow not to talk to strangers onlineKnow who to tell if anything you see or hear online upsets or worries them**Year 2**With support know how to write a blog postWith support know how to comment on a blog |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Digital Literacy Knowledge and Skills** | **E-Communication and Collaboration Skills and Knowledge**  | **Computer Science**  | **Basic Skills**  | **E-Safety** |
| **Programs to focus on:** | **Presenting Media** | **Documents, Word Processing and Publishing**  | **Film Making/Art** | Internet – searching and researching  | Communicating and Staying Safe |
| **Lower KS2** | TelligamiVideoscribeiMoviePowerpoint (Year 4 only)KeynoteWordPagesStrip DesignerPublisherBook Creator Adobe spark  | **Year 3**I can create a presentation about a topic with pictures and text. I can create scenes with pictures that animate. I understand that presentation software is for presenting information. **Year 4**I can create a presentation, using PowerPoint, with pictures and texts. I can present a slideshow using speaking and listening skills to present. I can illustrate sentences with animated text and pictures.I know how to add slides and change the layout. I know how to insert images of clip art to a slide.  | **Year 3**I can use my developed knowledge to create a document which enhances the work presented. I know how to undo and redo. I know how to highlight text by left clicking and dragging. I know how to change the appearance of fancy text. I know how to rotate and resize any images. I know how to delete a text, a text box or picture. **Year 4**I can choose the best software to use to present the document. I can change font type, size of the font and colour of the font and know when to use these. I can explain the choice of software to present the document.  | **Year 3**I can use the knowledge of film making to create a video of moving photographs. I know how to put photos in order. I know how to add music to a sequence of photos.I know how to add text labels to photos. I know how to add titles and photos into a movie. **Year 4**I can use the knowledge of film making to make short films. I know how to put photos/videos in order. I know how to add music to a sequence of photos/videos.   | **Year 3**I can describe what a URL is. I can use knowledge of blogs to contribute to blogs that are moderated by teachers.I can find out facts by navigating websites linked to the purpose of the task. I know how to do a multiple word search on a search engine. I know how to copy text/image from the Internet and put it into a document. **Year 4**I can compare websites checking facts. I can comment independently on blogs by other people giving constructive feedback. I know how to search the Internet identifying the most precise words.  | **Year 3**I understand that not everything I read online is true. I understand that comments made online that are hurtful or offensive are the same as bullying. I know what an avatar is and why they are used. I know and can explain online hazards. I can explain how to respond to online hazards safely.I know how to open the blogs and post to my own groups. **Year 4**I can give examples of the risks posed by online communications. I know how to comment independently on blogs by other people. I know which social media platforms are for what age group and the associated hazard.  | **Year 3**I can write programs that accomplish specific goals. I can design a sequence of instructions, including directional instructions. I can make an accurate prediction and explain why they believe something will happen (linked to programming)**Handle data using ICT:**Create a chart to be used within my maths or science work. **Year 4** I can create an online game. I am developing my understanding of how computers work. I am developing a deeper understanding of programming. **Handle data using ICT:**I can create a graph to be used within my Maths or Science work.  | **Year 3**I can develop basic skills and speed of typing.I can insert sentences into a passage.I can change the font, size and colour of text.I can read, reply and send emails.I know how to undo and redo.I can save and retrieve work. I can introduce PowerPoint and create a short slide show.I know how to add a slide.**Year 4**I can create a folder. I understand the use of right click for more options. I can rename a file or folder. I understand the difference between save and save as. I can delete, insert and replace text. I can use spell check effectively. | **Year 3**I know how to open blogs and post to my own blog.I know how to comment on other blogs.I know and can explain online hazards.**Year 4**I know how to go back a page on the internet.I know how to open a new tab on the internet. I can read and send emails.I know how to search the internet identifying the most precise words. |
|  | **Digital Literacy Knowledge and Skills** | **E-Communication and Collaboration Skills and Knowledge**  | **Computer Science**  | **Basic Skills**  | **E-Safety** |
| **Programs to focus on:** | **Presenting Media** | **Documents, Word Processing and Publishing**  | **Film Making/Art** | Internet – searching and researching  | Communicating and Staying Safe |
| **Upper KS2** | Interactive presentation using a range of apps (app smashing) such as; TelligamiVideoscribeiMoviePowerpoint KeynoteStrip DesignerPublisherBook CreatorAnimation Desk Adobe spark  | **Year 5**I ensure the content of the presentation is of the correct size for the audience to view. I choose the most suitable application and device for the audience of the presentation. I understand how the work is linked to audience and purpose. I know how to add slide transitions. I know how to add animation effects.**Year 6**I know how to trigger animations or link to other slides when objects are pressed. I undertake creative projects that involve selecting, using and combining multiple applications, across a range of devices, to achieve goals. I understand why published documents need to have a certain look depending on the audience and purpose.  | **Year 5**I ensure the content of the document is the correct size for the audience to view. I know how to add a hyperlink to a presentation. I know how to insert multiple text boxes and pictures onto a page. I know how to correct spelling mistakes and choose an appropriate layout and colour scheme.**Website Design:****I know how to put hyperlinks on images and embed content.** **I know how to change the colours and fonts to create a theme.** **Year 6**I can choose the most suitable application and device for the audience and purpose of the document. I know how to build a list by using bullet points.I know how to change the text size and put borders around images.I know how to align text left, right, centre and justify and know when these are used.I know how to embed a video into a presentation.**Website Design:****I know how to design web pages with text, images and hyperlinks.**  | **Year 5**I can choose the most suitable application and device to make a film. I know how to add titles and photos in an animation. I know how to edit a multimedia video (e.g. trim, reorder or change the style of content)I know how to add text labels to photos/video. I know how to add a voice over to a sequence of photos/videos. **Year 6**I can undertake creative projects that involve selecting, using and combining multiple applications, across a range of devices, to achieve goals. I know how to put sounds over an animation.   | **Year 5**I can use an Internet search engine to find relevant facts. I can independently blog work. I know how to book mark a web page as a favourite. I know how to make a QR code to use for a purpose. **Year 6**I can filter search results to fit the purpose of the task the search is needed for. I know how to filer search results (e.g. to find different types of media)I can collaborate with others online on sites approved and moderated by teachers. I know how to change profile settings. I can evaluate the usefulness of search results with consideration to plagiarism.   | **Year 5**I understand the effect of online comments and show responsibility and sensitivity when online. I know why passwords are needed. I know why some sites have age restrictions and know sites that are safe for children to join. **Year 6**I understand and demonstrate knowledge that it is illegal to download copyrighted material, including music or games, without express written permission, from the copyright holder. I know the difference between a strong and weak password and can explain the features of a strong password.I know how to minimise risk and report problems.  | **Year 5**I can write programs that accomplish specific goals. I can design a sequence of instructions, including directional instructions. I can make an accurate prediction and explain why they believe something will happen (linked to programming)I can use technology to control an external device. I can develop an understanding of how to create a website. I can design algorithms that use repetition. I know how to identify specific variable. I know how to create a program with repetition. I know how to develop a program with identified variables. I know and explain using logical reasoning to how some simple algorithms work. **Handle data using ICT:**I am beginning to use a data handling programme to present data online. I know how to change the appearance of cells (e.g. size, borders and colours)I know how to use simple formula in a cell. I know how to draw a graph to represent spreadsheet data. **Year 6**I can create an online game. I know how to combine more than one attribute to write a program. I know how to set IF conditions for movements. Specify types of rotation giving the number of degrees. I am developing my understanding of how computers work. I am developing a deeper understanding of programming. I can write a programme that combines more than one attribute. I can design algorithms that use repetition and 2 way selection. I can create and plan an app. I can develop a deep understanding of programming. I can create a ‘how to’ guide online with step by step algorithms. I can develop a program that has specific variable. **Handle data using ICT:**I can use a data handling programme to present data. I know how to change the format of cells appropriately.  | **Year 5**I understand how to format text. I can cut, paste and crop images from different sources.I can adapt layout and alignment of text. I can integrate text, pictures into PowerPoint. I can add attachments onto emails. I can use the shift button to add symbols (number buttons) I can use an apostrophe in writing. I know how to highlight text in a document. I can add a border. I can print a document using specifics e.g. certain pages.**Year 6**I can create a presentation for an audience choosing the best program.I can add links to documents/PowerPoints.I can add effects to PowerPoints e.g. change the background, add sound effects. I know how to do slide transitions and trigger animations. I can increase speed of typing. I can insert bullet points | **Year 5**I know why passwords are needed.I know why some sites have age restrictions. I know how to minimise risks and report problems.**Year 6**I know the difference between strong and weak passwords.I know which sites that are safe for children to join.  |