Knowledge and skills progression document

Reception

Computing

Early learning goals

- The expectation is that pupils will be introduced to technology and taught the necessary skills outlined in our Computing Programme of Study.
- Know and talk about the different factors that support their overall health and wellbeing - sensible amounts of 'screen time'.
- Show resilience and perseverance in the face of a challenge.
- Develop their small motor skills so that they can use a range of tools competently, safely and confidently.
- Explore, use and refine a variety of artistic effects to express their ideas and feelings.

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	Familiarisation Basic skills Word processing name labels To name technology around us	Doodle buddy creating pictures Word processing - Add own name to a Christmas card	E-Safety	Programming - Beebots	Revelation natural art- link to Geography weather	Mouse control skills Word processing
	Thread: Basic skills, word processing and Doodle Buddy are revisited throughout the year					
Knowledge	I know when and why I can use technology at school. I know to drag an item I must hold down the button on my mouse.	I know that there are different ways to open and close and application. I know that some screens can be used by touch. I know that text means writing using technology.	I know some of the dangers of using the internet.	I know using multiple commands will create a sequence.		I know how to log on and off. I know to drag an item I must hold down the button on my mouse.

		I know how to move around a touch screen.				
Skills	To show an interest in technology such as IWB, ipads, toys with knobs and buttons. To become familiar with the parts of the laptop i.e. monitor, keyboard and mouse. Experiment with using touch screens and controlling the mouse. I can move and drag the mouse to different parts of the screen.	I can create a picture using a painting programme such as Doodle Buddy I can control my picture by using my finger on a touch screen I can use different size tools and different colours I can use a word processor to type a name label I can use various brush tools. I can use various pen tools. I can use a rubber tool.	I can explain how to use technology safely. I can give reasons why we need to stay safe online. I can explain how to use the technology and the internet safely I can seek help from an adult when I see something that is unexpected or worrying.	To know how to give a Beebot a simple command to follow a route To experiment with different Beebot instructions including direction, movement and number of steps I can give commands to control direction and movement.	To use art software to create a natural image To consider the effect of different brush stroke, pens, colours, shapes and stamps I can share my ideas about technology through play.	To use a word processor to type a simple sentence. To save a document. I can type to login using a simple password I can click on an object to select it. I can drag an item using the mouse.

		I can use stamps and shapes. I can use a touch screen to zoom in and out. I can set the size and colour of a shape. I can use undo. I can type my name label.				

<u>Vocabulary</u>

safe, meet, accept, reliable, tell, online, trusted, adult, information, safety, personal, key, question, tell, safe, share, stranger, danger, internet. algorithm, instruction, order, debug, program, turn, left, right, clockwise, anticlockwise, blocks, sequence, project, repeat, repeat forever, invisible, grow, shrink, paint, colour, brush, tools, settings, undo, redo, text, image, size, poster, launch, application, software, window, minimise, restore, size, move, screen, close, click, drag, log on, log off, keyboards, keys, mouse, click, button, double click, drag, present.

<u>Cross Curricular/ Units</u>

- Chicken clicking – Online Safety
- Beebots – Maths (forwards, back, left, right, applying numbers, etc....)
- Drawing themselves using iPads – Digital Art
- Role play area and listening station
- Investigate stories to enhance teaching around computing and online safety (dot, Percy Penguin etc.)
- Google Maps- Geography