



Moorland Primary School – Progression of Skills in Computing

SKILLS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Digital Literacy	Identify rules for keeping us safe using technology.	Identify rules for IT and how they keep people safe. Choose a sequence of words that can be enacted as a sequence. Present information on the computer in different ways.	Investigate questions with yes/no answers & create groups of objects separated by one attribute Identify why desktop publishing might be helpful & identify uses in the real world.	Explain that websites and their content are created by people & explain that there are rules to protect content. Explain that not everything on the WWW is true and that some information may not be honest, accurate or legal. Draw conclusions and interpret data that has been collected.	Make web searches, compare results and refine a web search. Explain examples of criteria used to rank results and describe how results can be influenced. Identify and compare different features of a video & recording device. Evaluate videos and share opinions Explain and navigate a flat- file database to compare different views of information. Ask questions, present findings and refine a search.	Identify & compare different ways of communicating over the internet. Recognise that working together can be public or private and the internet enables effective collaboration in different ways. Add, move, view, lift, recolour, resize, duplicate and rotate objects in three dimensions Construct a 3D model, based on a design, and explain how to could be improved



Moorland Primary School – Progression of Skills in Computing

SKILLS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Information Technology	Locate examples of technology in the classroom & explain that it helps us. Switch on & log into a computer, name the parts. Use a mouse to click & drag, create a picture and open a program. Type name using keyboard, delete letters & save work. Use paint tools to draw a picture Choose appropriate shapes and colours to recreate the work of an artist. Use dots of colour to create a picture in a given style Describe, count, match and group objects in a group. Answer questions and record how many objects in a group. Answer questions and record and share results Find keys on a keyboard, enter text, use back space & space keys. Identify and use bold, italic, underline & capitals.	Describe and identify examples and uses of computers as part of IT Sort school IT by its use and talk about where IT is found. Demonstrate how IT devices work together. Capture a digital photograph. Explain why a photo looks better in portrait or landscape. Experiment with light sources and tools to achieve a desired effect. Recognise which photographs have been changed. Describe music and identify simple differences in pieces Create a rhythm pattern Use a computer to experiment with pitch and create sounds and musical patterns. Identify that music is a sequence of notes, and create a rhythm for a composed piece Explain how a piece has been changed and review own work	 Explain that digital devices accept inputs and produce outputs and that we use digital devices for different activities. Explain how messages are passed through multiple connections. Explain the role of a switch, server and WAP and identify networked devices around me Draw/create a storyboard and sequence of flip book animations Evaluate animations and explain why other media was added. Identify an attribute to separate objects into groups & arrange objects in a tree structure. Create questions to use in a physical branching database that enable objects to be uniquely identified. Identify how text and images are different and how they can be edited. Create a template for a particular purpose & define the term "page orientation". Paste text and images to create a magazine cover and make changes to content and layout. 	 Describe and demonstrate how information is shared across the internet as a network or networks. Describe where websites & media are stored, uploaded & accessed and the WWW. Identify and use the input and output devices to record & play sounds. Plan, record and save a project and review the quality of the recording. Arrange multiple sounds to create an effect. Use photo editing software to crop, edit or rotate an image. Experiment with different colour effects and cloning tools. Combine text and images and review against a given criteria. 	Describe and explain system features. Capture and review a video. Create, save, edit, store, retrieve and export a recording. Experiment with shape, line & zoom tools to create a detailed vector drawing. Use layering to create an image. Copy by duplicating objects and group or ungroup objects.	Describe how computers use addresses to access websites and that internet devices have addresses. Explain that data is transferred over the internet and networks in packets. Explore and discuss different media used on websites Draw a website layout and suggest media to include. Critically evaluate own webpage and content. Describe and explain navigation paths and make multiple webpages linked by hyperlinks.



Moorland Primary School – Progression of Skills in Computing

			-	-	
Select	ct all text, change the				
font,	, 'undo' and say what				
tool i	is used for these.				
	5				
Comp	npare typing on a				
	puter to writing on				
paper	er				

Early years Computing skills overview

Development Matters (3-4 year olds)	Development Matters (Reception children)	ELG
		Knows how to operate simple equipment, e.g. turns on a CD player and uses remote control.
		Shows an interest in technological toys with knobs or pulleys, or real objects such as cameras or mobile phones.
		Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images.
		Knows that information can be retrieved from computers.
		Completes a simple program on a computer.
		Uses ICT hardware to interact with age-appropriate computer software.