



Unit: Communicating Ideas

ICT Early Years

Overview of this Unit:

Children will develop speaking and listening skills through opportunities to explore and talk about ICT in the wider world. They begin to use cameras to capture images and use simple devices, such as 'Talking Tins' microphones etc. to record sounds. They use a computer keyboard to identify letters & numbers and experiment with mark making and emergent text on the computer. They respond to multimedia stimuli to communicate their thoughts and ideas and extend their vocabulary in both English and Welsh through structured use of suitable ICT activities. Staff can use or create Interactive Whiteboard resources, Electronic books, Photostories, Slide shows or Video clips to prompt discussion and aid recall.

Expectations at the end of this unit:









Most pupils are beginning to: use simple devices to play sounds and capture images and understand that text/images on a computer can be printed. They can type their name and find single letters or numbers on a keyboard and move objects on screen with confidence. They respond to a range of ICT stimuli including media and texts.








Some pupils will only be able to: produce a piece of emergent writing and/or pictures on a computer or Interactive Whiteboard and can move objects on screen for a selected task.







Some pupils will also be able to: use simple devices to record/play sounds and capture images. They can type their name and are beginning to use a keyboard to write some simple words and print their work. They can move words, numbers, letters or pictures on screen for a selected task and respond confidently to a range of ICT stimuli including media and texts.

KEY:

Personal and Social Development, Well-Being and Cultural Diversity (PSDWBCD)	Welsh Language Development (WLD)	Creative Development (CD)
Language, Literacy and Communication Skills (LLC)	Knowledge and Understanding of the World (KUW)	Outdoor Play (OP)
Mathematical Development (MD)	Physical Development (PD)	Role Play (RP)

ICT Skills	Areas of Learning	Suggested Activity	Vocabulary	Resources	Skills
<p>Is aware that ICT can be used to present words, text, pictures and numbers.</p>		<p>Talk to the children about the text/words, numbers and pictures that they see around them, <i>e.g. labels, signs, posters, books</i>. Ask them why the text is there and what it tells them. Explain to the children that they can produce writing on the computer and give lots of opportunities for emergent writing using a keyboard and print outs. In role play areas children can use a computer to produce emergent text as part of their play and can use an old keyboard to pretend to produce text.</p>  <p>Children write their names using a computer keyboard.</p>	<p>Signs Labels Posters Words Writing Numbers Pictures</p>	<p>Word processor/ Desk top Publisher package, images/ clipart</p>	
<p>Moves words, numbers, letters or pictures on screen for a selected task.</p>		<p>Matching activities by dragging letters, numbers and/or pictures <i>e.g. initial letter sounds to clip art, numbers to groups of objects, 'one to one' picture matching etc.</i></p> <p>Sequencing patterns or comparison of sizes from the smallest to the biggest etc.</p> <p>Sorting objects into groups.</p>	<p>Click Drag Mouse Object Clipart Number Letter Image Sort</p>	<p>Word processor/ Desk top Publisher package, Internet, IWB appropriate software</p>	
<p>Experiments with mark making using a mouse or interactive whiteboard.</p>		<p>Encourage the children to use the mouse with a Paint package or IWB for mark making. This could also be linked to a role play area or a cross curricular activity.</p> 	<p>Letter Number Pen Keys Buttons Press Type Interactive Whiteboard</p>	<p>Word processor/ Desk top Publisher package, Graphics package, IWB software, Printer</p>	

ICT Skills	Areas of Learning	Suggested Activity	Vocabulary	Resources	Skills
<p>Produces a piece of emergent writing and/or pictures on the computer.</p>		<p>Early experience of using the keyboard in the form of emergent writing and printing especially in role play areas should be encouraged.</p> <p>Clipart and the children's own mark making in a graphics package can be used alongside the emergent text.</p> <p>When appropriate adult can act as a scribe to write what the child has told them.</p>	<p>Letter Number Pen Keys Buttons Press Type Picture Cursor</p>	<p>Word processor/ Desk top Publisher package, Graphics package, IWB software, Printer</p>	
<p>Finds single letters or numbers on a keyboard.</p>		<p>Encourage children to practise entering letters and numbers that they know on a keyboard or from an IWB Floating keyboard.</p> <p>Enter single letters to type their names.</p>	<p>Letter Number Pen Keys Press Type Picture</p>	<p>Word processor, IWB, appropriate software</p>	
<p>Begins to understand that specific keys on a computer keyboard make something happen e.g. Space bar.</p>		<p>Show the children two sentences one with and one without spaces and read them to the children. Discuss with the children if they understood what was read and if it sounded odd.</p> <p>Demonstrate how to use the space bar to create a space. Give the children an opportunity to play at typing on the keyboard (role play) making spaces between groups of letters. </p> <p>This type of activity can be used to teach the Shift key to make a capital letter when pupils are writing their own names.</p>	<p>Text Letters Words Sentence Capital letter Full Stop Spaces Space Bar Shift key</p>	<p>Word processor</p>	

ICT Skills	Areas of Learning	Suggested Activity	Vocabulary	Resources	Skills
<p>Begins to understand that text/images created on a computer can be printed.</p>		<p>Show the children the Printer icon on the computer and explain to the children that the computer can produce a paper copy of what's on the screen - <i>if there is a Printer linked to it</i>. Discuss rules about printing e.g. ask the teacher before printing. Pupils can print their names or pictures of themselves or objects/marks they have drawn on a computer.</p> <p>Draw a picture on a computer and add their own name or name of the object.</p>	<p>Printer Computer Screen Paper copy Icon Symbol</p>	<p>Word processor/ Desk top Publisher package, Graphics package, IWB software Printer</p>	 
<p>Begins to use simple devices to record/play sounds and capture images.</p>		<p>Children should have access to a digital camera. This can be a bilingually labelled resource to be used indoors and outdoors.</p>  <p>Prompt card for Support staff suggesting appropriate vocabulary and questions to use with the children should be on display alongside the camera.</p> <p>Children should be taught to take care of the camera and use the neck strap. They must be encouraged to return the device to the set resource area.</p> <p>Similarly, sound recording devices should be encouraged such as microphones, MP3 players, Talking Tins, Talking postcards, Talking photo albums etc. for the children to record their voices and listen and respond to recordings in both English and Welsh.</p> 	<p>Photograph Images Sound Voices MP3 player Look Listen</p>	<p>Digital camera, MP3 player, Talking Tins, Talking postcards, Talking photo albums etc</p>	