



Unit: Areas of Learning

Overview of this Unit:

In Early Years pupils will develop ICT skills through the Areas of Learning. Pupils will be encouraged to enquire, investigate, and think for themselves. The unit gives pupils the opportunity to experience ICT in the environment, both indoors and outdoors, as well as developing specific ICT skills. It will give opportunities for independent child led learning as well as structured teacher focused sessions. Resources should be readily available as a natural part of investigative play opportunities. ICT should be holistic and integral across the curriculum. Children's ICT skills, knowledge and understanding should be developed through a range of experiences that involve them (i) finding and developing information and ideas, (ii) creating and presenting information and ideas.

Where this Unit fits in:



Personal and Social Development, Well-Being and Cultural Diversity - Children will talk about their experiences with others and will take turns and share resources. ICT will be used to raise awareness of other cultures through videos, music etc. They will be encouraged to take care of equipment, work together on suitable activities and develop perseverance to complete tasks.



Language, Literacy and Communication Skills – Children will develop speaking and listening skills. They will use ICT to stimulate, record and communicate thoughts and ideas and begin to develop discussion and decision making skills. Children will develop literacy skills and extend vocabulary through structured use of suitable ICT activities.



Mathematical Development – Children will use ICT to develop mathematical skills such as sorting, counting, ordering, matching, comparison of sizes, shape, colour recognition and sequencing. They will develop mathematical language through talking and discussion and play opportunities.



Welsh Language Development — Using a range of stimuli including audio visual material and ICT interactive activities in Welsh, children will begin to develop Welsh language vocabulary as well as speaking and listening skills. They will use ICT as a stimulus and record, listen to and respond to spoken Welsh.



Knowledge and Understanding of the World – Children will begin to use information sources and experience opportunities for real and imaginative play. They will begin to make choices and solve problems and will experience and talk about the use of ICT in the everyday environment.



Physical Development - Children will develop gross motor skills through the use of the Interactive Whiteboard and fine motor skills through the use of the computer mouse and ICT devices such as cameras. They will be encouraged to develop hand-eye coordination and left to right orientation through the use of appropriate ICT equipment.



Creative Development – Children will create marks and draw pictures on computers, slates and IWB and will create sounds and simple musical compositions.



Scheme of Work for Information Communication Technology

Expectations at the end of this unit:

Personal and Social Development, Well-Being and Cultural Diversity



Most pupils will be able to: take turns, show care of equipment and talk about their experiences.

Some pupils will only be able to: talk with support about their experiences.

Some pupils will also be able to: talk with confidence about their experiences, begin to work with others and show perseverance to complete tasks.

Language, Literacy and Communication Skills



Most pupils will be able to: use the IWB/keyboard to write their name and find letters/numbers. They respond orally to a range of multimedia stimuli and know the names of ICT equipment.

Some pupils will only be able to: use the IWB/keyboard to make marks or emergent writing and talk with support about ICT.

Some pupils will also be able to: use the IWB/ keyboard and a word bank to write their name and begin to write simple sentences with support. They can recall their experiences and talk with confidence about ICT.

Mathematical Development



Most pupils will be able to: use resources and software to support mathematical skills.

Some pupils will only be able to: use resources and software with support to develop mathematical skills.

Some pupils will also be able to: use resources and software to develop mathematical skills with increasing independence and talk about their choices.

Welsh Language Development



Most pupils will be able to: respond to a range of audio visual material using appropriate Welsh vocabulary and complete simple ICT interactive activities in Welsh.

Some pupils will only be able to: complete interactive activities in Welsh with support and show some recognition of Welsh vocabulary..

Some pupils will also be able to: respond to a range of audio visual material using appropriate Welsh vocabulary and complete simple ICT interactive activities in Welsh. They listen to and respond to spoken/recorded Welsh with confidence.

Knowledge and Understanding of the World



Most pupils will be able to: talk about the use of ICT in everyday situations.

Some pupils will only be able to: talk with support about the use of ICT in limited situations.

Some pupils will also be able to: talk about the use of ICT in a broad range of contexts including the use of scanners, traffic signals, tills, cash dispensers etc.

Physical Development



Most pupils will be able to: use a mouse to accurately control the computer and use a finger to control the Interactive Whiteboard.

Some pupils will only be able to: use a mouse with developing control.

Some pupils will also be able to: use the mouse confidently and use a pen to control the Interactive Whiteboard.

Creative Development



Most pupils will be able to: draw a picture using a graphics package and drag pictures onto a grid to compose a tune and change the instrument.

Some pupils will only be able to: create marks using a graphics package and drag pictures onto a grid to compose a tune.

Some pupils will also be able to: draw more detailed pictures changing the brush size, drag pictures onto a grid to compose a simple tune.