



Abercarn Primary School

Termly ICT Topic – Year 4 Overview



Autumn Term 1

Communicating

- Understand when a word processor and publishing software should be used.
- Create a folder and give it an appropriate name.
- Begin to use a spell checker and thesaurus, when appropriate.
 - Introduce the tab key.
 - Change font type, size and style.
- Insert clipart and Wordart to enhance work.
- Highlight text, and use cut, copy and paste.
 - Print to a variety of printers.
 - Re-size images without distorting.
- Find words on a page using the Find function.
- Save documents to a network or the cloud.
- Create a document in the cloud and invite a partner to collaborate at the same time

Autumn Term 2

Modelling

- Format currency cells.
- Begin to extract information from the spreadsheet to answer specific questions.
- Use Fill to find totals for many rows.
 - Create a table and a bar chart independently.
 - With support, add borders and shading.
- Independently use software to create landscape and add objects.
 - Design a game and be able to discuss how changing variables changes the difficulty

Spring Term 1

Coding

- Write a simple algorithm for a real world situation to represent a sequence of instructions.
 - Using a simplified programming environment, program several sprites to move on command.
- Debug code to identify errors when trying to make a sprite move in a simplified programming environment.
 - Using example code, create a character, number or text that changes over time.
- With support, follow pre-made instructions to create a simple animation or game using a simple programming environment but begin to vary sprites and backgrounds



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Spring Term 2

Creative Multimedia

- Give suggestions for different styles of presentation and how they could be customised.
 - Edit background colour and design.
- Begin to insert text boxes, graphics, sounds and video files into a presentation independently.
 - Plan a presentation structure independently.
 - Use a preset animation on objects.
- Present to an audience and watch examples to provide peer feedback.
 - Create a document in the cloud and invite a partner to collaborate at the same time.
 - independently record video and begin to crop and edit them on the same device. Import into an editor on the same device.
 - Add simple titles on a movie editing tool.
 - Explore an animation program and experiment with photographing scenes to create stop animation.
 - Save, play and share finished film.
- Independently upload to an online drive and create a QR code or other sharing method.

Summer Term 1

Databases

- Perform a simple search on a branching database.
- Identify the most effective questions for classify objects into groups.
 - Create a branching database independently using only raw data.
 - Compare and comment on results.
- Understand how to add, delete and modify records in a simplified database.
- Begin to understand the concept of searching more than one field.
- Print a branching database and use to answer questions.

Summer Term 2

Exchanging & Sharing Information

- Independently, create, read and reply to e-mails.
 - With support, add an attachment to an email.
 - With support, open a received attachment.
- Understand that they may receive messages that cause negative emotions and suggest strategies for dealing with them.
 - To use a Virtual Learning Environment (VLE) to collaborate.
- Search for specific information on the internet using key words. Begin to discuss the effectiveness of their searches.
- Begin to recognise that not all information on the internet is accurate.
- Identify strategies to protect themselves from identify theft.
- To raise awareness of 'copyright' issues and plagiarism