



# Abercarn Primary School

## Termly ICT Topic – Year 5 Overview



### Autumn Term 1

#### Communicating

- Use page setup to set paper size, margins and orientation (portrait or landscape).
  - Move files and folders.
  - Use spell checking confidently
- Change Layout using centering and aligning.
  - Explain choice of font size and style.
- Select suitable fonts rather than using Wordart.
- Use keyboard commands to edit a document e.g. Ctrl x, Ctrl c, Ctrl v.
  - Print more than one page to a sheet.
- Use Word Wrapping to change the wrap effects of an image.
- Use keyboard shortcut to find words on a page.
- Rename, move and save files to a network and the cloud.
- Create a document and collaborate at home or at different times.

### Autumn Term 2

#### Coding

- Write a real world algorithm to represent a sequence of instructions using loops or procedures.
  - Understanding the meaning of flow chart symbols.
- Using a simplified programming environment, program several sprites to move on command in different directions and at different speeds.
- Debug code to identify errors when trying to make several sprites move in different directions and speeds in a simplified programming environment
- Independently create a character, number of text that repeat an action when text is entered.
- Using a simplified programming environment add several buttons to different sources such as websites.
- With support, follow premade instructions to create a simple animation or game using full visual programming *on a program such as Kodu or Scratch*

### Spring Term 1

#### Modelling

- Create a spreadsheet with a variety of data in individual cells that is formatted correctly.
  - Interrogate a spreadsheet to investigate outcomes.
- Convert measures of currency using multiplication or division.
- Create a table and a line chart.
- Create a spreadsheet with a variety of media such as charts, tables and images.
- Use software to create models of 3D objects, landscapes or items that represent a specific fictional or real location.
  - Design a complex game with multiple rules and variables.



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### Spring Term 2

#### Databases

- Begin to discuss possible questions to include in a survey.
- Begin to identify how to store results from a survey.
  - Collect, prepare and create a database beginning to understand the different field types.
  - Ensure accuracy of entry, edit mistakes.
  - Perform a specified search on a larger database they have created.
    - Begin to sort records.

### Summer Term 1

#### Creative Multimedia

- Begin to understand that there are questions to ask before creating a presentation. E.g. what is the purpose of my presentation? Who is my audience?
  - Select a relevant design and begin to explain choices.
- Begin to understand that media can come from a variety of platforms.
- Plan a flow diagram showing how a user navigates through the presentation.
  - Add an action button to create a hyperlink to another slide or other digital media.
- Begin to customise the type of animation applied to an object.
  - Use IT equipment to record own performance and peer and self- assess.
  - Create a document and collaborate at home or at different times
  - Import and save video images to another device and retrieve them.
    - Add titles and rolling credits.
  - Capture video images of clay models or similar to tell a short story.
- Export their work to an external or online drive.
  - With support, create a QR code using a laptop or PC.

### Summer Term 2

#### Exchanging & Sharing Information

- Understand the use of e-mail and its benefits.
- Learn how to create an address book of e-mail addresses.
- Learn how to save an attachment from a received e-mail and save it in a directory of the pupil's choice.
- To act responsibly when surfing the internet, using e-mails and using chat rooms and mobile phones.
  - To use a Virtual Learning Environment (VLE) independently in school and at home
- Refine web searches using 'and', 'or' and inverted commas.
- Begin to evaluate the information found on the internet and its reliability including how photos can be altered.
- Recognise what Spam email is and identify strategies for dealing with it
- Begin to cite a sources of information when using it in their work.