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| **Progression of Skills and Knowledge (EYFS + KS1) – Ropery Walk Primary School** | | | |
| **Curriculum Strand** | **Reception** | **Year 1** | **Year 2** |
| Computer Science - programming | -Experienced making a toy move by using buttons in a sequence -Experienced solving problems and following instructions -Experience of using digital devices | - Know that an algorithm is a set of instructions used to solve a problem  - Know that an algorithm is called a program and is written for a computer  - Interpret what will happen at different stages of a program  - Follow simple instructions to access online resources | -Know that an algorithm is used on digital devices and is a set of instructions designed to complete a task - Predict what the outcome of a simple program will be - Identify the parts of the program that respond to specific actions (e.g. a cause an effect sentence)  -Write a simple program that achieves a specific purpose  - Know that programs require precise instructions |
| Digital Literacy and Citizenship | -Name some way they use technology at home or school -Able to express emotions such as feeling safe or feeling uncomfortable | -Talk about some of the IT uses in their own home  -Make a distinction between objects that use modern technology and those that don’t  -Use technology safely -Keep personal information (such as passwords) private  -Know how to save work to a private place (e.g. own iPads or folder on a laptop) | -Know how technology is used in school and outside of school  - Effectively and safely retrieve relevant digital content using a search engine - Apply learning of effective searching -Know where to go for help  -Know the implications of inappropriate online searches |
| IT – communication, publishing and collaborating | -Experience of different apps/websites | - Create, edit, store and retrieve their work (e.g. save their work)  -Know how to log in to a variety of apps safely | -Organise, retrieve and manipulate digital content -Create, name, save and retrieve content including photos, text and sound -Beginning to know how to type effectively |
| IT – digital video | -Know what device to use to record a sound | -Record sound and play back | - Record a short video including image and sound |
| IT – digital imagery | -Know what device to use to take a photograph | -Know how to use a camera on a device | - Use a camera effectively to take a picture |
| IT – handling information |  | -Know that different devices are used to store information in different ways | -Know how to create a branching database |