FS – KS1 Computing Curriculum and Knowledge Map

St Ralph Sherwin Catholic Multi Academy Trust

Lower KS2
Connecting computers, stop-frame animation, sequencing sounds, branching databases, desktop publishing, events and actions in programs.

Pentecost - Programming quizzes
I can create a quiz using a set of algorithms (bas).
I can explain that a sequence of commands has a start and an outcome (adv).
I can justify re-ordering a sequence of commands to change the outcome of a quiz (deep).

Lent - Pictograms
I can create digital data (bas).
I can explain how to look at data and interpret the information (adv).
I can draw conclusions from digital data (deep).

Pentecost - Digital music
I can create music using special software (bas).
I can compare different sequences and sound patterns (adv).
I can compile music for a purpose (deep).

Lent - Robot algorithms
I can describe how to use logical steps to instruct a floor robot (bas).
I can summarise how to create a procedure from an algorithm (adv).
I can investigate how to improve an algorithm (deep).

Advent - Digital photography
I can create a digital image using a device with a camera (bas).
I can compare the quality of different photographs (adv).
I can investigate how to change an image (deep).

Pentecost - Programming animations
I can describe how to run a programme on a device (bas).
I can explain how to code and create an animation (adv).

Year 2

Advent - IT around us
I can list the uses of IT in school and beyond (bas).
I can explain how technology can be used to benefit us (adv).
I can investigate how to use IT safely (deep).

Pentecost - Digital writing
I can name a range of functions to change the look of a piece of text (bas).
I can edit text (bas).
I can identify the functions of a keyboard (adv).

Lent - Grouping data
I can describe how to make, use, save, change and access digital data (bas).
I can present information in different ways (adv).

Advent - Digital painting
I can manipulate an image using a digital paint programme (bas.)
I can create a piece of artwork using a range of tools (bas).

Lent - Moving a robot
I can describe how to control a floor robot (bas).
I can create a simple algorithm (bas).

Advent - Technology around us
I can describe how technology can help us in our everyday lives (bas).
I can list the uses of the different components of a computer (bas).

Year 1

EYFS
Advent Creating Media: - add a picture
Lent Programming A BeeBots and Data and Information , digital pictogram
Pentecost Creating Media, taking photos and videos, Computing systems and networks, Using a mouse