Lower Juniors Cycle A Computing

Autumn Term A
Computing Systems – Connecting Computers
Explain how digital devices function; identify input and output devices; recognise how digital devices can change the way we work; explain how a computer network can be used to share information; explore how digital devices can be connected; recognise the physical components of a network.

Autumn Term B
Creating Media – Stop Frame Animation
Explain that animation is a sequence of drawings or photographs; relate animated movement with a sequence of images; plan an animation; identify the need to work consistently and carefully; review and improve an animation; evaluate the impact of adding other media to an animation.

Spring Term A
Creating Media – Desktop Publishing
Recognise how text and images convey information; recognise that text and layout can be edited; choose appropriate page settings; add content to a desktop publishing publication; consider how different layouts can suit different purposes; consider the benefits of desktop publishing.

Spring Term B
Data and Information – Branching Databases
Create questions with yes/no answers; identify the object attributes needed to collect relevant data; create a branching database; identify objects using a branching database; explain why it is helpful for a database to be well structured; compare the information shown in a pictogram with a branching database.

Summer Term A
Programming A – Sequence in Music
Explore a new programming environment; identify that each sprite is controlled by the commands I choose; explain that a program has a start; recognise that a sequence of commands can have an order; change the appearance of my project; create a project from a task description.

Summer Term B
Programming B – Events and Actions
Explain how a sprite moves in an existing project; create a program to move a sprite in four directions; adapt a program to a new context; develop my program by adding features; identify and fix bugs in a program; design and create a maze-based challenge.

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