

Year 3 & 4 Cycle B
Computing – Medium Term Planning

Autumn 1 Computing Systems and Networks: The Internet (DL)	Autumn 2 Creating Media: Photo Editing (IT)	Spring 1 Programming B: Events and actions in programs (CS)	Spring 2 Data & Information: Data Logging (IT)	Summer 1 Programming B: Repetition in games (CS)	Summer 2 Creating Media: Audio Production (IT)
<ul style="list-style-type: none"> ○ To describe how networks physically connect to other networks. ○ To recognise how networked devices make up the internet. ○ To outline how websites can be shared via the World Wide Web (WWW) ○ To describe how content can be added and accessed on the World Wide Web (WWW) ○ To recognise how the content of the WWW is created by people. 	<ul style="list-style-type: none"> ○ To explain that digital images can be changed ○ To explain that colours can be changed in digital images ○ To explain how cloning can be used in photo editing ○ To explain that images can be combined ○ To combine images for a purpose ○ To evaluate how changes can improve an image 	<ul style="list-style-type: none"> ○ To explain how a sprite moves in an existing project ○ To create a program to move a sprite in four directions ○ To adapt a program to a new context ○ To develop my program by adding features ○ To identify and fix bugs in a program ○ To design and create a maze-based challenge 	<ul style="list-style-type: none"> ○ To explain that data gathered over time can be used to answer questions ○ To use a digital device to collect data automatically ○ To explain that a data logger collects 'data points' from sensors over time ○ To recognise how a computer can help us analyse data ○ To identify the data needed to answer questions ○ To use data from sensors to answer questions 	<ul style="list-style-type: none"> ○ To develop the use of count-controlled loops in a different programming environment ○ To explain that in programming there are infinite loops and count controlled loops ○ To develop a design which includes two or more loops which run at the same time ○ To modify an infinite loop in a given program ○ To design a project that includes repetition ○ To create a project that includes repetition. 	<ul style="list-style-type: none"> ○ To identify that sound can be digitally recorded: ○ To explain that audio recordings can be edited ○ To recognise the different parts of creating a podcast project ○ To apply audio editing skills independently ○ To combine audio to enhance my podcast project ○ To evaluate the effective use of audio