

KS3 Computing
Curriculum Content - Long Term Plan

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Topic	Word Processing	Computer Components	E-Safety	Programming	Presentation Skills	Publishing
Key focus		Students will develop basic word-processing skills and learn to use various features for formatting text.	Students will learn about the various input and output devices associated with computers and modern digital devices.	Students will explore reasons why people use passwords, learn the benefits of using passwords and discover strategies for creating and keeping strong, secure passwords.	Students will create basic algorithms using different software. Students will also create, test and debug algorithms using ScratchJr to achieve desired outcomes.	Students will create presentations, developing skills in slide transition, animation, hyperlinks and audio and video. Students will then present this presentation to the class.	Children will learn to draw, order, group and manipulate objects to make a picture. They will also learn to evaluate and create effective layouts, combining text and images.
Year 8	Topic	Programming	Digital Art	E-Safety	Photography	Word Processing	Animation
Key focus		Students will learn how to create an algorithm to program a procedure. Students will be reminded of the basic commands and how to repeat alongside a variable.	Children will create a number of geometric pieces of art using the computer, including tiling patterns and patterns made with repeated polygons.	Students will learn about preventing and dealing with cyberbullying; how to use search engines efficiently; how to avoid plagiarism online; and how to be a good digital citizen.	Children will use Microsoft PowerPoint to design a 'Photo Story'. Children will take photos using the school camera and use them to design a photo story.	Students will learn about formatting images and organising content into an effective layout. Students will focus on formatting images, and making them suitable.	Students will learn the basic principles and techniques of simple animation Students will take part in comparing a range of animation software .
Year 9	Topic	Programming	Photography	E-Safety	Internet Research/ Web Page Design	Radio Station	Data Handling
Key focus		Students will learn how to create an algorithm to program a procedure. Students will be reminded of the basic commands and how to repeat alongside a variable.	Children will use Microsoft PowerPoint to design a 'Photo Story'. Children will take photos using the school camera and use them to design a photo story.	Students will learn about email safety with a focus on preventing and dealing with spam. Students will look at strong passwords and learn how to create them.	Students will learn how to use some advanced search features in Google. They will also look at creating a webpage with a layout of their choice.	Students will use software and digital devices for recording sound. Based around the theme of a radio station, this topic is designed to encourage a creative approach.	Students will know how to prepare information for development using ICT, including selecting suitable sources, finding information and checking it for accuracy.