



Long Term Overview

Year 5 Computing

Ferndown Middle School

Year Group	5	Subject	Computing	Taught in	Autumn 1
Title	Welcome to FMS				
Summary	Introduction to network and computers. How to use a keyboard and use of word processor and slides. Saving work and introduction to e-Safety. E-Safety aspects covered: Posting of personal data, social media, Zip it; Block it; Flag it; Pocket.				
Key Skills	ICT – Use of word processor and PowerPoint for communication Digital Literacy – logging on, keyboard skills, saving work and filing of work, use of internet, e-safety Computing – Layout of a network - overview				
Cross-Curricular	English and general literacy, Ways of working - organisation skills, discussion in pairs for e-safety issues.				

Year Group	5	Subject	Computing	Taught in	Autumn 1
Title	Text Processing				
Summary	Use of the word processor and presenting text. Use of the keyboard and how to format text at text, word, paragraph and page levels. Also how to include appropriate images for effect and lay them out in single page documents.				
Key Skills	ICT – Use of word processor, text entry and formatting skills Digital Literacy – Use of keyboard and mouse Computing –				
Cross-Curricular	Literacy – Use of language				

Year Group	5	Subject	Computing	Taught in	Autumn 2
Title	Computational Thinking				
Summary	How to break down problems and solve them using computational thinking. Leads up to a national competition where students are entered for computational thinking.				
Key Skills	ICT – Digital Literacy – Computing – Computational thinking, problem solving, patterns, abstraction, algorithms in empirical problems				
Cross-Curricular	Maths – Problem solving				



Year Group	5	Subject	Computing	Taught in	Autumn 2
Title	Scratch – Story Telling Unit				
Summary	Use of Scratch to create characters and a story that follows basic algorithms in a programming package. Concentrating on making use of the basic programming blocks and using them to drive their story as a sequence of events that shows interaction between sprites.				
Key Skills	ICT – Digital Literacy – Story building Computing – Algorithms, programming, computational thinking				
Cross-Curricular	Careers – Industry professionals introduce aspects of this unit via videos of the job they carry out and how it relates to the skill being introduced PSHCE - Other - Literacy – Story telling and use of language,				

Year Group	5	Subject	Computing	Taught in	Spring 1
Title	DTP – Book Creation				
Summary	Students use a desktop publishing program to create a book that includes text and images in an organised format for effect. Books will be factual in nature and will be ‘The Guide to...’ or similar. This unit will require use of research skills to find appropriate information, editing that to summarise and then laying out with images.				
Key Skills	ICT – Use of DTP Package for a multi-page document Digital Literacy – Research using the internet, Selecting and manipulating images Computing –				
Cross-Curricular	Literacy – Use of summarising skills.				

Year Group	5	Subject	Computing	Taught in	Summer 1
Title	Audio Stories				
Summary	Students create an audio version of a story book. This unit will require creating a slide show with included text, images and sound. Students will be required to prepare the script across multiple slides and then record themselves reading the story. This will be carried out in pairs.				
Key Skills	ICT – Use of a slideshow package for text, image and sound Digital Literacy – Manipulation of images and sound for effect Computing – Sequencing of story elements				
Cross-Curricular	Literacy – storytelling and creativity, creation of characters etc. Ways of working – Paired working skills				



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Year Group	5	Subject	Computing	Taught in	Spring 2
Title	Coding – Algorithm Robots				
Summary	In this unit students will go UnPlugged to be a guided robot and follow instructions. They will then use these skills to direct an online robot to navigate a pre-defined course.				
Key Skills	ICT – Digital Literacy – Computing – Algorithms, programming				
Cross-Curricular	Careers – Industry professionals introduce aspects of this unit via videos of the job they carry out and how it relates to the skill being introduced				