



St Joseph's RC Middle School

Computing Subject Overview

	Autumn Term	Spring Term	Summer Term
Year 5	<p><b>Microsoft Office</b> Pupils experience a foundation in using Microsoft Office software including the basic uses of Word, Publisher, Excel and PowerPoint. Information displayed on slideshow and test of knowledge.</p> <p><b>Computer system poster</b> Designing for purpose Using MS Paint Saving, pasting and re-sizing images. Information displayed on poster.</p>	<p><b>Introduction to programming</b> Using algorithms as a planning tool Using co-ordinates Programming scratch to create outcomes including writing initials or a simple image and an animated dance sequence. Quality of outcomes</p>	<p><b>Data bases including E-safety.</b> Collecting data via questionnaire (e-safety) Collecting hard data from measurements. Analysing data and displaying findings graphically Correct use of graphs and conclusions</p>
Year 6	<p><b>PowerPoint slideshow</b> Planning Combining different types of files File conversion for compatibility Crediting images Computer aided design Animation Converting analogue images to digital Common mistakes made when creating presentation Quality of outcome</p>	<p><b>E card project</b> Planning Algorithms Image manipulation Programming movement Quality of the finished product and evaluation</p>	<p><b>Spreadsheets</b> Managing costs Inputting data Updating Using functions Functionality of spreadsheets</p> <p><b>Invitation</b> Publisher or Scratch used to create a party invitation Pupils can choose what to use. Success criteria Quality of outcome</p>

Year 7	<b>Designing a computer game</b> Control sequencing Loops Sub-routines Variables Designing and evaluating Research and crediting Responding to peer testing and evaluating Control sequences Quality and suitability of product	<b>E-Safety project</b> Researching Hypothesis Data collection and analysis Data bases Conclusions and presentation of data	<b>E Safety project 2</b> Review of: animation, publisher and presentations Self-setting of success criteria Designing for specified audience Organising time Evaluating Quality of end product Hand held
Year 8	<b>News in the 21<sup>st</sup> Century</b> Verification and bias Crediting sources Web design MS Front page Using video tutorials Evaluating online sites for audience Setting success criteria Planning Prototyping Evaluating Verification and looking for bias, crediting sources Evaluation	<b>Dragons den project</b> Business model spreadsheet “What if” scenarios Wholesale and retail Value added. Spreadsheet, use of functions and “what if”	<b>Dragons den project 2</b> Marketing Corporate image Video presentation Quality of marketing and presentation <b>Yearbook project</b> During the final weeks of Y8 the pupils work on individual pages for a yearbook to celebrate their time at St Joseph’s Format and effectiveness of individuals yearbook page.