



LONG TERM PLAN for COMPUTING

Year A	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception						
Year 1/2	Data Retrieving and Organising How can I make a simple animation of a well-known story?		Algorithms and Programmes What instructions do I need to use to move a programmable toy?		Communicating How can I safely send messages to my friends using the internet?	
Year 3/4	Using the Internet/Presentation Can I create a presentation to help explain the features of a Roman god?		Presentation/Communicating/ Data Retrieving and Organising Can I use my art work to create animation and attach the video in Seesaw, communicating to parents/teachers/pupils?		Algorithms and Programmes Can I write algorithms to create a variety of simple shapes investigating angles of turn?	
Year 5/6	Algorithms and Programmes: How can I program each step of an algorithm, reviewing and amending as we go?		Databases: How can we create a database, containing formulas, to record and present data?		Data retrieving and Organising: How can I create an information poster using my own graphics skills to good effect?	

Year B	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception						
Year 1/2	Algorithms and Programmes/ Data Retrieving and Organising What instructions do I need to draw a given shape – and represent this using drawing tools?		Data Retrieving and Organising How can I make a simple slide show with text and pictures?		Communicating How can I present information on a word document?	
Year 3/4	Databases Can I use and create simple databases to find and store information related to other pupils/Pembroke?		Data Retrieval and Organising Can I create a pocket gallery - taking pictures and presenting them in a table-top gallery?		Presentation What features can I use to present information about holidays?	
Year 5/6	Using the Internet: How can I use complex searches to discover information online?		Communicating: How can I communicate effectively online?		Presentation: How can I create a sophisticated multimedia presentation?	