Mersey Park Primary School Computing Long Term Overview – Year 4

Scheme of Work	Target Tracker Assessment Focus	Weaving Knowledge, Skills and Understanding
Computers		
• Animation • Powerful Presentations	• Use other input devices such as cameras or sensors	• Can they capture images using webcams, screen capture, scanning, visualiser and internet? • Can they download images from the camera into files on the computer?
Using Computer		
• Word Processing Troubleshooting & Computer Networks • Animation • Powerful Presentations • Coding a Scratch Maze	• With support select and use a variety of software on a range of digital devices • With support select, use and combine a variety of software on a range of digital devices to accomplish given goals	• Can they choose images and download into a file? • Can they copy graphics from a range of sources and paste into a desktop publishing program? • Can they create a lengthy presentation that moves from slide to slide and is aimed at a specific audience? • Can they insert sound recordings into a multi media presentation? • Do they know how to manipulate text, underline text, centre text, change font and size and save text to a folder?
e-Safety		
• Rising Stars Unit • Publishing work Online & Blogging	• Use technology responsibly and understand that communication online may be seen by others • Understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies	• Do they understand the need for rules to keep them safe when exchanging learning and ideas online? • Can they recognise that information on the internet may not be accurate or reliable and may be used for bias, manipulation or persuasion? • Do they understand that the internet contains fact, fiction and opinion and begin to distinguish between them? • Can they use strategies to verify information, e.g. cross-checking? • Do they understand the need for caution when using an internet search for images and what to do if they find an unsuitable image? • Do they understand that copyright exists on most digital images, video and recorded music? • Do they understand the need to keep personal information and passwords private? • Do they understand that if they make personal information available online it may be seen and used by others? • Do they know how to respond if asked for personal information or feel unsafe about content of a message?

		• Can they recognise that cyber bullying is unacceptable and will be sanctioned in line with the school's policy? • Do they know how to report an incident of cyber bullying? • Do they know the difference between online communication tools used in school and those used at home? • Do they understand the need to develop an alias for some public online use? • Do they understand that the outcome of internet searches at home may be different than at school? • Do they follow the school's safer internet rules? • Do they recognise the difference between the work of others which has been copied (plagiarism) and re-structuring and re-presenting materials in ways which are unique and new? • Can they begin to identify when emails should not be opened and when an attachment may not be safe? • Can they use different search engines?
Coding		
• Coding a Scratch Maze	• Decompose programs into smaller parts • Use logical reasoning to detect and correct errors in algorithms and programs • Select, use and combine a variety of software, systems and content that accomplish given goals	• Can they use repeat instructions to draw regular shapes on screen, using commands? • Can they experiment with variables to control models? • Can they make turns specifying the degrees? • Can they give an on-screen robot specific directional instructions that takes them from x to y? • Can they make accurate predictions about the outcome of a program they have written?
Networks		
• Word Processing Troubleshooting & Computer Networks • Publishing work Online & Blogging	• Understand what servers are and how they provide services to a network	

Net Searching		
• Word Processing Troubleshooting & Computer Networks • Powerful Presentations • Publishing work Online & Blogging	• Understand what servers are and how they provide services to a network	• Can they use a search engine to find a specific website? • Can they use note-taking skills to decide which text to copy and paste into a document? • Can they use tabbed browsing to open two or more web pages at the same time? • Can they open a link to a new window? • Can they open a document (PDF) and view it?