











Autumn 1	Sharing Information					
Prior learning 	The children have learnt how information is shared across the internet and why a network needs protecting.					
Lesson objective 	To explain that computers can be connected together to form systems	To recognise the role of computer systems in our lives	To recognise how information is transferred over the internet	To explain how sharing information online lets people in different places work together	To contribute to a shared project online	To evaluate different ways of working together online
Key vocabulary 	System, connection, digital, input, process, output	System, connection, digital, input, process, output	Protocol, address, packet	Chat, explore, slide deck	Chat, explore	Reuse, remix, collaboration
Creative context 		Picture of a busy road, with and without pedestrian crossing. What's the difference?	Inject some humour – create a screenshot with an ineffective search	COVID/jobs across countries	Homophones game (link back to at the end, what's the importance for search engine?)	
Substantive knowledge 	Components work together to perform a task.	Evaluate how computer systems can help our everyday life	Know that keywords in a search bar will create more accurate search results	Understand how to find things on the web effectively and seamlessly	The keywords and tags on a webpage, can determine how successful it is in a search engine	Understand some of the limitations with searching and how to overcome these
Disciplinary knowledge 		Identify and explain how devices and process are connected	Test out instructions – generate more specific search terms to weald the desired result	Understand the difference between an address bar and a search engine	Understand what keywords are and tags on webpages	
Recorded learning 	Complete Smart Locker worksheet	Comparison of pedestrian crossings	Compare search engines, specifically looking at ad pop ups and any noticeable features	Index of the classroom resources, to mimic how the information is stored online	Modify webpage so that it is more successful in a search engine	Evaluation of the effectiveness of the search
Future learning 	The children will learn to identify how to use a search engine, describe how they select results and explain how they are ranked. They will also explore different methods of online communication.					



Computing – Year 5

