Computing 24-25

Voor 6 - Co	Computing 24-25				
	mputing system and networks- Communication	and collaboration			
Remember when: Computing systems and netwo	Key vocabulary				
By the end of the unit children I can describe how computers I can explain that all data trans packet is I can explain that the internet a I can identify that there are a v I can decide when I should and	Communication, protocol, data, address, Internet Protocol (IP) address, Domain Name Server (DNS) Packet, header, data payload Chat, explore, slide deck Communication, public, private, one-way, two-way, one- to-one, one-to-many, search engine				
Prior learning in Year 5:					
 I can identify tasks that I can give examples of I can explain why we reveal a range of a weight of a can refine my web seteration of a compare results National curriculum: Understand computer networe Wide Web, and the opportunitie Select, use and combine a vac create a range of programs, sy evaluating and presenting data Use technology safely, resperimental component of the component of	from different search engines ks, including the internet; how they can provide mu es they offer for communication and collaboration ariety of software (including internet services) on a r rstems and content that accomplish given goals, inc a and information ctfully and responsibly; recognise acceptable/unacc	ange of digital devices to design and cluding collecting, analysing,			
ways to report concerns about		· · · · · ·			
Google Chrome		e Kiddle			
Title / Focus	Lesson outline				
Lesson 1- Internet addresses LO- To explain the importance of internet addresses SK-I can describe how computers have and use	Learners explore what is necessary for effective communication and the importance of agreed protocols. They apply this understanding to IP addresses and the rules (protocols) that computers have for communicating with one another. Learners also use a Domain Name Server (DNS) to translate web addresses into IP addresses.				
addresses to access websites		ddresses into IP addresses.			
addresses to access websites Lesson 2-Data packets LO- To recognise how data is transferred across the internet SK- I can explain that all data transferred over the internet is in	Learners are introduced to the concept of packets transferring an image across the internet, to see t types of data (images, video, and audio) are also gain an understanding of the key parts of a packe	s. They complete an activity based on hat as well as messages (text), other transferred over the internet. They			
addresses to access websites Lesson 2-Data packets LO- To recognise how data is transferred across the internet	transferring an image across the internet, to see t types of data (images, video, and audio) are also	s. They complete an activity based on hat as well as messages (text), other transferred over the internet. They it: the header and the data payload. when they are not in the same lete a collaborative online project. The mple slides, including text and s, you may wish to spend some time			

Lesson 5- Communicating responsibly LO- To evaluate different methods of online communication	Learners use information provided in the lesson and their own prior knowledge to categorise different forms of internet communication. They then choose which method(s) they would use for the scenarios discussed in the previous lesson. Through these activities, learners explore issues around privacy and information security.		
SK- I can decide when I should and should not share information online			
Lesson 6- Assessment	Children to complete an assessment quiz made by the teachers Assessed against the checklist.		
Working towards	-	End of Unit Assessment Working at Age related expectations	Working at a greater depth