Computing Year Five	1										$\Box$
Computing	Name										
	me										
				1		_	1	_	1	_	
Create a program to control a device?								_		_	!
Recognise that different solutions can exist for the same problem?				$\perp$							!
Design algorithms that use repetition?											
Begin to work with variables?											
Begin to explore 'what if' questions by planning different scenarios for controlled devices?											
Using logical reasoning, look at an algorithm and make a prediction, explaining why he/she believes something											
will happen?											
Use logical reasoning to begin to detect errors in increasingly complex algorithms?	1						11				
Have a basic understanding of computer networks, including the internet, and the opportunities they offer for	1			$\dagger$			11				
communication and collaboration?	1										
Select, use and combine software on a range of digital devices?											
Use a range of technology for a specific project (eg create and use programs and content)?				1 1			11				
Analyse information?											
E-safety and digital literacy				1 1			11				$\Box$
Use the internet and other technology safely and critically		1 1	- 1	1 1						- 1	
Understand how search results are selected and ranked?										1	$\sqcap \vdash$
				+	-	+	++		+		+
Competently use the internet as a search tool?				+			+++	-	-	-	$\square$
Recognise that information on the internet may not be accurate or reliable and may be used for bias,											
manipulation or persuasion (eg wikis, blogs)?				4-4			1-1	-	1 1	-	
Recognise why people may publish content that is not accurate and understand the need to be critical											
evaluators of content?				+			44				
<ul> <li>Understand that the outcome of internet searches at home may be different than at school?</li> </ul>								_		_	
Understand that some websites and/or pop-ups have commercial interests that may affect the way the											
information is presented?											'
Recognise the potential risks of using internet communication tools and understand how to minimise											
those risks (including scams and phishing)?											
<ul> <li>Use knowledge of the meaning of different domain names and common website extensions (eg .co.uk;</li> </ul>	1										
.com; .ac; .sch; .org; .gov; .net) to support validation of information?	1						$\perp \perp$				$\perp \perp \mid$
Know the difference between online communication tools used in school and those used at home?	1										$oxed{oxed}'$
<ul> <li>Use appropriate strategies for finding, critically evaluating, validating and verifying information. eg</li> </ul>	1										
using different keywords, skim reading to check relevance of information, cross checking with different											
websites or other non ICT resources?	1										
Recognise what is personal information and keep it private											
• Understand that if they make personal information available online it may be seen and used by others	1						$\prod$				
and is extremely difficult to remove?	L						$\perp$ $\parallel$				
					•	•		•		•	

	 	 - 1	 	 	 	
Understand the benefits of developing a 'nickname' for online use?			$\perp \downarrow$			
<ul> <li>Understand that some malicious adults may use various techniques to make contact and elicit personal information?</li> </ul>						
Know that content put online is extremely difficult to remove?						
Understand they should not publish other people's pictures or tag them on the internet without						
permission?						
Understand that online environments have security settings, which can be altered, to protect the user?						
Create strong passwords and manage them so that they remain strong?						
Does your child know what to do if they are concerned when they use the internet and other technology?						
Does your child know how to report an incident of cyber-bullying?						
Can your child identify when emails should not be opened and when an attachment may not be safe?						
Does your child understand that some messages may be malicious and know how to deal with this?						
Does your child understand the need for caution when using an internet search for images and what to						
do if they find an unsuitable image?						
Does your child know what to do if they discover something suspicious, malicious or inappropriate?						
Recognise acceptable and unacceptable behaviour when using the internet and other technology?						
<ul> <li>Understand the need for rules to keep them safe when exchanging learning and ideas online?</li> </ul>						
Recognise that cyber-bullying is unacceptable?						
Use technology in ways which minimises risk eg responsible use of online discussions, etc?						
Know how to respond if asked for personal information or feel unsafe about content of a message?						
Know that it is unsafe to arrange to meet unknown people met online?						
Reference information sources?						
Recognise the difference between the work of others which has been copied (plagiarism) and						
restructuring and re-presenting materials in ways which are unique and new?						
Understand that copyright exists on most digital images, video and recorded music?						
Use technology appropriately, effectively and efficiently?						
Discuss the positive and negative impact of ICT use in theirs and their friends' and family's lives?						
Explain and demonstrate how to use email safely?						
Understand that some material on the internet is copyrighted and may not be copied or downloaded?						
Independently, and with regard for e-safety, select and use appropriate communication tools to solve						
problems by collaborating and communicating with others within and beyond school?						