YE	YEAR 2 May 2014								
	Computer Science	Information Technology	Digital Literacy						
YEAR 2									
	Understand that algorithms are implemented as programs on digital devices	Use technology purposefully to organise digital content	Use technology respectfully						
	Explore the effects of changing simple variables in models and simulations, asking 'What if?' questions. (S&SM)	Select appropriate images and sounds to add to work. (TM)	Begin to use webcams and /or video conferencing as a class.(EC)						
	Talk about rules found in simulations and how these affect choices. (S&SM)	Select text using an appropriate method and make simple changes e.g. colour, style and size.(TM)	Send an email, using a subject heading, to a known member of the school community, e.g. another class, teacher, bursar. (EC) Open and reply to an email from a known person. (EC) Contribute to a blog, journal or forum on the school's website(EC)						
	Interpret and draw conclusions from graphs, discuss information contained and answer simple questions. (DH)	Word process short texts, working directly at the computer rather than 'copying up' written work.(TM)							
	Use basic search tools in a prepared database to answer simple questions (DH)	Create simple presentations for different purposes using templates for support.(TM)							
	Know that users can develop their own programs, and can	Independently enter, save, print, retrieve and amend work.(TM) Create a sequence of images to form a short Animation.(IVA)	Develop an awareness of appropriate language to use in email and other forms of digital communication. (EC)						
	demonstrate this by creating a simple program in an environment that does not rely on text e.g. programmable robots etc.	Independently enter save and retrieve work (IVA)	Use appropriate strategies for finding, critically evaluating, validating and verifying information. (DR)						
	Understand that algorithms are implemented on digital devices as programs. Design simple algorithms using loops, and election	Create and edit sounds and musical phrases for a purpose(S)	Recognise what is acceptable and unacceptable behaviour when using technologies and online services.						
	i.e. if statements. Use logical reasoning to predict outcomes. Detect and correct errors i.e. debugging, in algorithms.	Independently save and retrieve sound files. (S) Sort and classify groups of items by asking simple yes / no	To understand to stay safe online by choosing sites that are						
	Recognise that a range of digital devices can be considered a computer.	questions. (DH)	good for them to visit avoiding sites that are inappropriate.						
	Understand that programs execute by following	Use a branching database program, where appropriate, to sort and identify items. (DH)	To learn that the information they put online leaves a digital footprint.						
	precise and unambiguous instructions	Use basic search tools in a prepared database to answer simple questions.(DH)	Understand that searching with key words is an effective way						
	Plan, generate and follow a sequence of commands to complete a task of problem e.g. reproduce a simple geometric shape or pattern on screen (L&C)	Recognise different types of data: text, number.	to locate information on the internet. How can key words be selected to produce the best results?						
	Make predictions when controlling devices and describe the effects (L&C)	Appreciate that programs can work with different types of data. Recognise that data can be structured in tables to make it useful.							
	Make changes to improve the effectiveness of commands (L&C)	Navigate the web and can carry out simple web searches to collect digital content.							
	Explore the effects of changing simple variables in models and simulations, asking 'What if?' questions. (S&SM)	Use technology with increasing independence to purposefully organise digital content.							
	Talk about rules found in simulations and how these affect choices. (S&SM)								

YEAR 2	te th	se a variety of software to manipulate and ontent: data and information. Share their e echnology in school and beyond the classrapeir work and make improvements to solution eedback received.	xperiences of pom. Talk about	
Key for Lancashire Progressions:	TM = Text & Multimedia	IVA = Images, Video & Animation	S = Sound	EC = Electronic Communication
DR = Digital Research	DH = Data Handling	DL = Data Logging	LC = Logo & Control	SSM = Simulations & Spreadsheet modelling