



National Curriculum Aims			
<ul style="list-style-type: none"> -Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation. -Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems. -Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems. -Are responsible, competent, confident and creative users of information and communication technology. 			
National Curriculum Subject Content			
<ul style="list-style-type: none"> -Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. -Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. -Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. -Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration -Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. -Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, valuating and presenting data and information. -Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 			
Information Technology			
Laptop skills and Word Processing	Presentations, Web Design and eBook Creation	Video Creation	Data Handling
<ul style="list-style-type: none"> -Can organise and reorganise text on screen to suit a purpose. -Can add hyperlinks to a text. 	<ul style="list-style-type: none"> -Can create an interactive presentation using a variety of media, animations, transitions and other effects. -Can create a webpage and embed video 	<ul style="list-style-type: none"> -Can use cutaway and split screen tools in imovie -Can use crop and resize on the green screen app and can experiment with other ways to use the tool (eg green clothes, masking tool) 	<ul style="list-style-type: none"> -Can create and publish an online quiz with a range of media. Can use simple formula (-sum) Can edit and format cells in a spreadsheet
Computer Science			
Computational Thinking and Coding/ Programming		Computer Networks	
<ul style="list-style-type: none"> -Can create programs by decomposing them into smaller parts. -Use selection in programs. -Use conditions in repetition commands. -Work with variables. -Create programs that control of stimulate physical systems. Evaluate work and identify errors. 		<ul style="list-style-type: none"> -Understand how we view web pages on the internet. -Use search technologies effectively. -Understand that web spiders index the web for search engines. -Know how pages are ranked in a search engine. 	
Digital Literacy			



Moorside Primary School

Year 5 Overview

Self Image and Identity	Online relationships	Managing online information	Health and Wellbeing	Privacy
<ul style="list-style-type: none"> -Can explain how identify can be copied or altered. 	<ul style="list-style-type: none"> -Recognise some people online way wish to them harm and know that this is not their fault. -Can make positive contributions to an online community -Know how information about people online can be used by others to make judgements about an individual -Recognise when someone is hurt or angry online and know when they ned to seek help. -Can block abusive users. -Know there are helpline services that can help if they feel they have no one to talk to (childline) 	<ul style="list-style-type: none"> -Can evaluate digital content and can explain how to make choices from search results. -Can give examples of when and why it is important to be 'sceptical' and can explain the term 'hoax' -Know why information on a large number of sites may still be untrue and how this may happen (sharing of misinformation by accident or on purpose.) 	<ul style="list-style-type: none"> -Can describe how technology can affect healthy sleep - Know how to tackle this. 	<ul style="list-style-type: none"> -Can create and use strong passwords. -Explain how many free apps or services may read and share private information with other. -Explain how and why some apps request payment for additional content (eg in app purchases) and explain why they should seek permission from a trusted adult before purchasing.