

			Year 7 -	Year 7 – Computing 2021-22				
Curriculum intent  The aim of the curriculum is that through the delivery of the rubrics learners of understanding of some of the key concepts required as the foundational but build knowledge and foster a love of learning about computing.  Learners receive a mixture of both ICT and Computer Science related units of any gaps presented from the Primary curriculum received, address any mison stretch learner understanding of identified key concepts.  Learners receive a mixture of practical and theory based lessons that include to develop their independent learning, collaboration and discussion skills.  NB: This curriculum overview has been planned using support from teachcores.						g blocks necessary to  ork in order to bridge eptions and further portunities for learners		
Term	Autumn 1	Autumn 2	Spring 1	Sprng 2	Summer 1	Summer 2		
Knowledge	Intro to Network, E-Mail and E- Safety:  Learners will explore the school network and how to use it safely. They will explore e-safety dangers and ways to stay e- safe.	Modelling data – spreadsheets:  Introduction for learners to spreadsheets and the concept of cell referencing. They will collect, analyse, and manipulate data, before turning it into graphs and charts.	Programming essentials in Scratch – part I  Learners will explore the skills required to create a basic computer programme using Scratch programming language.	Programming essentials in Scratch – part II  This unit begins right where 'Programming I' left off. Learners will learn how to create their own subroutines, develop their understanding of decomposition, learn how to	Networks from semaphores to the Internet  Learners will define a network and addressing the benefits of networking, before covering how data is transmitted across networks using protocols	Using media – Gaining support for a cause  They will develop a deeper understanding of information technology and digital literacy by using their skills across the unit to create a blog post about a real world cause that they are passionate about and would like to gain support for.		



			The main programming concepts covered in this unit are sequencing, variables, selection, and count-controlled iteration.	create and use lists, and build upon their problem-solving skills by working through a larger project at the end of the unit.		
Skills	Key Software Skills: E-Mail, Search Engines , Presentation	Key Software Skills: Excel, Numeracy	Key Software Skills: Programming	Key Software Skills: Programming	Key Skills: Word Processing, Presentation	Key Skills: Word processing software  Software to create a blog (eg word processing software))
Assessments	Teacher Q&A, Learner oracy opportunities Teacher learning analysis mid-way through the completion of task and provide feedback the following lesson Peer assessment Self assessment	Teacher Q&A, Learner oracy opportunities Teacher learning analysis mid-way through the completion of task and provide feedback the following lesson Peer assessment Self assessment	Teacher Q&A, Learner oracy opportunities Teacher learning analysis mid-way through the completion of task and provide feedback the following lesson Peer assessment Self assessment	Teacher Q&A, Learner oracy opportunities Teacher learning analysis mid-way through the completion of task and provide feedback the following lesson Peer assessment Self assessment	Teacher Q&A, Learner oracy opportunities Teacher learning analysis mid-way through the completion of task and provide feedback the following lesson Peer assessment Self assessment	Teacher Q&A, Learner oracy opportunities Teacher learning analysis mid-way through the completion of task and provide feedback the following lesson Peer assessment Self assessment End of unit Teacher



	End of unit	End of unit	End of unit	End of unit	End of unit Teacher	assessment. Teacher
	Teacher	Teacher	Teacher	Teacher	assessment. Teacher	learning analysis,
	assessment.	assessment.	assessment.	assessment.	learning analysis,	provide feedback the
	Teacher learning	Teacher learning	Teacher learning	Teacher learning	provide feedback	following session.
	analysis, provide	analysis, provide	analysis, provide	analysis, provide	the following session.	
	feedback the	feedback the	feedback the	feedback the		
	following session.	following session.	following session.	following session.		
Enrichment	Coding club	Coding club	Photoshop	Industry speaker-	Semaphor flags –	Bletchley Park
			design		after school	research