



Week	43	44	45	46
W/C Date	25-Jun	2-Jul	9-Jul	16-Jul
Topic	N/A	N/A	N/A	N/A
Key Objectives	N/A	N/A	N/A	N/A
Assessment	N/A	N/A	N/A	N/A
Homework	N/A	N/A	N/A	N/A

**Department Year 7 grades 3-8 long term plan**

	Assessment weeks
	Moderation week
	Data Capture
	STAR marking
	Exit Poll

**Key Skills to be Covered:**

**Digital Literacy – Word, presentation and email skills**

**ICT – Folder structures, safe use of computers, staying safe online, using the Internet effectively**

**Computer Science – Computer components, programming**

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
W/C Date	03-Sep	10-Sep	17-Sep	24-Sep	01-Oct	08-Oct	15-Oct		29-Oct	05-Nov	12-Nov	19-Nov	26-Nov	03-Dec	10-Dec	17-Dec		
Topic	Basic Skills: Baseline Assessment	Basic Skills: Log on and Passwords	Basic Skills: Folders, sub-folders and naming files	Basic Skills: Emails	Basic Skills: Using the Internet Effectively	ASSESSMENT	Cryptography and Computational Thinking: What is cryptography / cracking codes		Review of star marking and 2nd draft improvements	Cryptography and Computational Thinking: Enigma Machine	Cryptography and Computational Thinking: Code Breaking	Cryptography and Computational Thinking: Problem Solving	ASSESSMENT BEBRAS (Date subject to change as national competition)	What is a computer?: Computer Systems	What is a computer?: Input and Output	What is a computer?: Inside a Computer		
Key Objectives	Identify prior knowledge of ICT and Computer Science	Recognise the importance of save passwords Identify criteria for safe passwords Explain what social engineering is	Demonstrate making folders and sub-folders in Windows OS Explain importance of saving work appropriately	Demonstrate how to receive and send emails, including attachments. Describe email etiquette.	Demonstrate how to refine searches using a search engine such as Google. Choose most appropriate websites to find information.	Practical assessment showing email and internet searching skills as well as the ability to save work in the correct place.	Explain what cryptography is. Demonstrate problem solving skills in cracking codes		Review work identifying good areas and areas for improvement Improve work in response to feedback	State why codes are used Describe what the enigma machine did	Demonstrate problem solving skills in cracking codes	Demonstrate problem solving skills in cracking codes Deduct	Online assessment in problem solving	Identify different computer systems Describe the use of a range of computer systems	Select whether a device is an input or output Discuss why input and output devices are needed Explain the difference	Identify internal components within a computer Describe the purpose of internal components.		
Assessment	Star Mark Assessment with next steps identified					Star Mark Practical Assessment						Star Mark code breaking skills	National assessment – results usually take 3 to 4 weeks			Star Mark internal component work		
Homework		How to use SAM Learning		SAM Passwords and Phishing		SAM Emails			SAM Email Basics		SAM Email Features		SAM How Computers Work		SAM Inputs and Outputs			

Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
W/C Date	07-Jan	14-Jan	21-Jan	28-Jan	04-Feb	11-Feb		25-Feb	04-Mar	11-Mar	18-Mar	25-Mar	01-Apr	08-Apr		
Topic	What is a computer?: Storage	Review of star marking and 2nd draft improvements	What is a computer?: Bits/Bytes and Binary	ASSESSMENT	E-safety: What is e-safety?	e-safety: Social Media		Review of star marking and 2nd draft improvements	e-safety: Cyber Bullying	e-safety: Presentation Skills	e-safety: Gathering Information and Completing Presentation	BBC micro:bit: What is a micro:bit?	BBC micro:bit: Sequencing	BBC micro:bit: Variables		
Key Objectives	Students will understand what computer storage is and the various types available and which is appropriate	Review work identifying good areas and areas for improvement Improve work in response to feedback	Recall what computer measurements Identify what binary is Construct binary calculations converting binary to denary and vice versa	What is a computer? written test	Describe what e-safety is Identify ways to stay safe online	Discuss the advantages and disadvantages of social media		Review work identifying good areas and areas for improvement Improve work in response to feedback	Define what is meant by the term Cyber Bullying Suggest strategies people could take if they were victims of cyber bullying	Demonstrate presentation skills – Backgrounds, animations, transitions Research e-safety	Students will re-cap how to refine a search and then complete their presentation	Name the different parts of the micro:bit List uses of the micro:bit	Describe what sequencing is Demonstrate skills in block editing to show sequencing with a micro:bit	Describe what variables are Demonstrate skills in block editing to show sequencing with a micro:bit		



	for different tasks														
Assessment				Star Mark Assessment test		Star Mark Social Media activity		Star Mark 2 <sup>nd</sup> draft – response			Star Mark presentation				
Homework	SAM Elements of a Computer		SAM Bits and Binary		SAM – Staying Safe Online			SAM – E-Safety		SAM E-Safety		E-Safety A Test		E-Safety B Test	



Week	35	36	37	38	39	40	41	42
W/C Date	29-Apr	06-May	13-May	20-May		03-Jun	10-Jun	17-Jun
Topic	BBC micro:bit: Iteration and Selection	<i>Review of star marking and 2nd draft improvements</i>	Assessment	BBC micro:bit: Iteration and Selection		BBC micro:bit: Independent Project	BBC micro:bit: Independent Project	Assessment
Key Objectives	Describe what iteration and selection are Demonstrate skills in block editing to show sequencing with a micro:bit	<i>Review work identifying good areas and areas for improvement Improve work in response to feedback</i>	Written assessment paper on e-safety	Describe what iteration and selection are Demonstrate skills in block editing to show sequencing with a micro:bit		Investigate potential projects Express ideas when planning project	Demonstrate skills in block programming to create a your own project	Micro:bit skills assessment
Assessment		Star Mark 2 <sup>nd</sup> draft – response	Star Mark Written Assessment					Star Mark Assessment
Homework		E-Safety C Test		SAM Algorithms +		SAM OWN CREATED – micro:bit1		SAM OWN CREATED – micro:bit2

Week	43	44	45	46
W/C Date	24-Jun	1-Jul	8-Jul	15-Jul
Topic	Future and Emerging Technologies: Artificial Intelligence	Future and Emerging Technologies: Biometrics	Future and Emerging Technologies: Robotics	Future and Emerging Technologies: Virtual Reality
Key Objectives	Identify what is meant by the term Artificial Intelligence Restate some uses of A.I. and influential people in the field. Explain what the Turing Test is	Describe what is meant by the term biometrics Identify a range of biometric measures Discuss the issues of companies keeping biometric data	Identify different uses of robots in society Construct your own robot Justify the skills your robot would have and how they could help society	Describe what Virtual Reality is Identify different types of VR technology Summarise key information about the use of VR technology and its future.
Assessment			Star Mark robot designs	
Homework	SAM Future and Emerging Technologies		SAM Technology in Society	