Curriculum Sequencing – Year 7

Year 7 Term 2a:	
Topics covered:	Data Represenation
How it links to what has been studied before:	The concepts are linked to practical applications and problems that the learners are familiar with.
How it links to what will be studied:	
Key words:	Representations Character Coding Schemes Binary Digits (Bits) Length of Representation Physical Media Decimal to Binary Conversion Binary to Decimal Conversion Units and Multiples Binary Representation in Digital Devices Natural Numbers in Binary Information Processing Binary Sequence Size Digital Devices Skills Application
Assessment focus	Lessons 1-5 have an a formative assessment. Lesson 6 is a summative assessment.
Revision tips	<u>Revise the content from the lesson slides and the exit tickets. BBC Bitesize Revision</u>
Key skills:	Understanding diverse data representations. Familiarity with character coding schemes. Proficiency in binary operations and representation. Measuring data size and length. Handling symbols on physical media. Decimal to binary conversion skills. Unit conversion in data representation. Understanding binary representation in devices. Representing natural numbers in binary. Application of skills in practical scenarios.
Why we study it:	Acquiring these skills is crucial in the digital age for effective communication, problem-solving, and technological adaptability.
Mastery in this subject	By deeply understanding data representations, practicing hands-on exercises, and applying concepts to real-world scenarios. Gain programming experience, stay updated, and collaborate with peers. Challenge yourself with diverse problem-solving tasks, seek feedback, and continuously improve.
Year 7 Term 2b:	
Topics covered:	

How it links to what has been studied before:	
How it links to what will be studied:	
Key words:	
Key skills:	
Assessment focus	Lessons 1-5 have an a formative assessment. Lesson 6 is a summative assessment.
Revision tips	Revise the content from the lesson slides and exit tickets. BBC Bitesize Revision
Why we study it:	
Mastery in this subject	

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