



Year 7 Curriculum

Computer Science



	Term 1 (Autumn)		Term 2 (Spring)		Term 3 (Summer)	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Number Bases Using Computers Safely, Effectively and Responsibly	Animation Excel	Programming Scratch Game	Surviving Kennet	Programming Python	Programming "Micro:bit"
Key Concepts	<ul style="list-style-type: none"> • Binary • File Management • Social networking • Keeping data safe • Using email and searching the web • Design and evaluation 	<ul style="list-style-type: none"> • Basic concepts of frames, frame rate and key frames • Spreadsheet software • Entering data into cells • Performing basic maths • Model data • Data types 	<ul style="list-style-type: none"> • Visual programming • Sequence, selection, and iteration • Analysis, design, implementation, testing • Evaluation 	<ul style="list-style-type: none"> • Action buttons and hyper links • Digital media • Purpose and target audience • Creation of an interactive information point 	<ul style="list-style-type: none"> • Text based programming language • Data types and assignment • Input and output and interaction with a user. • Using turtle to draw • Iteration and selection 	<ul style="list-style-type: none"> • Integration of text based and visual based programming languages. • Programming tasks



Year 7 Assessment

Computer Science



All pupils will sit several knowledge tests and an assessment in Year 7.

	Knowledge Test	Assessment	Revision Resources
	Autumn/Spring Terms	Summer Term	
Style of Assessment	Each knowledge test consists of 10 multiple-choice questions	A mix of computer based and short answer questions	<i>Kennet Resources</i> <ul style="list-style-type: none">Year 7 Knowledge OrganisersLearning Habits
Topics Assessed	<ul style="list-style-type: none">Core knowledge taught until that point in the academic year	<ul style="list-style-type: none">Binary, algorithms and problem-solvingUsing computers safely, effectively, and responsiblyAnimationExcelScratch	<i>External Resources</i> <ul style="list-style-type: none">http://teach-ict.comwww.bbc.com/bitesizePupil Shared area/Subjects/Computer Science/ Key Stage 3/ Year 7/Lesson Resources