

KS3 Computer Science Course Structure & skills:

Year	Skills Developed	Course Content	Assessments
7	<ul style="list-style-type: none"> Logical thinking Ability to investigate and explain Independent learning Creativity Understanding different pieces of software Planning Modelling Programming 	<ul style="list-style-type: none"> Unplugged <ul style="list-style-type: none"> Thinking of computers without using computers Hardware and Software <ul style="list-style-type: none"> Investigating the parts inside a computer What is hardware What is software Spreadsheets <ul style="list-style-type: none"> Formatting excel Applying functions and formulas Modelling data E-Safety/Digital Skills <ul style="list-style-type: none"> How to be safe online Planning animation to client brief Databases <ul style="list-style-type: none"> Using Access Creating rules to fields Collecting and inputting data Formulating and applying queries Microbits <ul style="list-style-type: none"> Formatting excel Applying functions and formulas Modelling data 	<p>Term 1:</p> <ul style="list-style-type: none"> Baseline Test Bebras Challenge End of project test <p>Term 2:</p> <ul style="list-style-type: none"> Two end of project tests <p>Term 3:</p> <ul style="list-style-type: none"> Two end of project tests
8	<ul style="list-style-type: none"> Logical thinking Ability to investigate and explain Independent learning Creativity Understanding different pieces of software Planning Programming Group Work 	<ul style="list-style-type: none"> Sound <ul style="list-style-type: none"> Investigating components of sound Planning, sourcing and creating own sound composition Using relevant software Web Design <ul style="list-style-type: none"> Investigating websites Planning a website Using relevant software to produce a website Evaluation App Development <ul style="list-style-type: none"> idea creation product concepts prototyping pitching for support Data Representation 	<p>Term 1:</p> <ul style="list-style-type: none"> Baseline Test Bebras Challenge End of project evaluation <p>Term 2:</p> <ul style="list-style-type: none"> End of project test <p>Term 3:</p> <ul style="list-style-type: none"> Two end of project tests

		<ul style="list-style-type: none">• The languages computers communicate with• Binary• Programming<ul style="list-style-type: none">• Basic programming skills using python language• Variables, loops, elseif	
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