Year 7 Computer Science Curriculum Overview

Year 7	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Skills	How to use the use the Internet safely, file management and basic IT skills	Fle management and basic IT skills	Problem solving Producing codes for particular situations Planning and evaluating	Problem solving Producing codes for particular situations Planning and evaluating	Problem solving Producing codes for particular situations Planning and evaluating	Problem solving Producing codes for particular situations Planning and evaluating
Knowledge	Internet Safety & Digital Literacy	Digital Literacy (Office Unit)	Scratch Programming	Scratch Programming	Python Programming beginner	Python programming beginner
Alive and British Values	We Value Ourselves We can Communicate We can review We can contribute Being respectful to ourselves and others when using technology.	We Value Ourselves We can Communicate We can review We can contribute	We Value Ourselves We can Communicate We can review We can contribute	We Value Ourselves We can Communicate We can review We can contribute	We Value Ourselves We can Communicate We can review We can contribute We are resilient	We Value Ourselves We can Communicate We can review We can contribute We are resilient
Assessment	Ongoing formative assessment	Ongoing formative assessment	Ongoing formative assessment	Ongoing formative assessment	Ongoing formative and Summative assessment	Ongoing formative and Summative assessment
Careers	So many careers available in the digital/ cyber and computer science sectors. Not just technical jobs but also using ICT skills and problem- solving skills we learn about in Computer Science. Here are some related jobs : • applications development • computer forensics • content management • cyber security and risk management • data analysis and analytics • game development					

Year 8 Computer Science Curriculum Overview

St Mary Redcliffe and Temple School

alive

Year 8	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Skills	Understanding how control programming is used in everyday life and how to create a programs to solve problems. Understanding and using algorithms	Understanding how control programming is used in everyday life and how to create a programs to solve problems. Understanding and using algorithms	Producing codes for particular situations Planning and evaluating	Producing codes for particular situations Planning and evaluating	Producing codes for particular situations Planning and evaluating	Producing codes for particular situations Planning and evaluating
Knowledge	Control Computer Programming	Control Computer Programming	Python Programming (2)	Python Programming (2)	Producing a text based game using python	Producing a text based game using python
Alive and British Values	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent
Assessment	Ongoing formative and Summative assessment	Ongoing formative assessment	Ongoing formative and summative assessment	Ongoing formative assessment	Ongoing formative and Summative assessment	Ongoing formative assessment
Careers	So many careers available in the digital/ cyber and computer science sectors. Not just technical jobs but also using ICT skills and problem-solving skills we learn about in Computer Science. Here are some related jobs : • applications development • computer forensics • content management • cyber security and risk management • data analysis and analytics • game development					

Year 9 Computer Science Curriculum Overview

St Mary Redcliffe and Temple School

alive

Year 9	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Skills	Systems development lifecyle.	Hardware Software Binary	Hardware Software Binary	Logic gates Legal, ethical, cultural & environmental Algorithms and problem solving	Logic gates Legal, ethical, cultural & environmental Algorithms & problem solving	
Knowledge	Text-based adventure game project	Computer Systems	Computer Systems	Computational Thinking & Algorithms	Computational Thinking & Algorithms	Building Programming skills
Alive and British Values	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.	**We can**: contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.
Assessment	Ongoing formative and summative assessment	Ongoing formative assessment	Ongoing formative and summative assessment	Ongoing formative assessment	Ongoing formative assessment	Ongoing formative and summative assessment
Careers	So many careers available in the digital/ cyber and computer science sectors. Not just technical jobs but also using ICT skills and problem-solving skills we learn about in Computer Science. Here are some related jobs : • applications development • computer forensics • content management • cyber security and risk management • data analysis and analytics • game development					