Year 12 Computer Science Curriculum Overview

St Mary Redcliffe and Temple School

Year 12	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Skills	Effective problem solving Creating coded solutions for specific Understanding how computer systems work and their impact on society					
Knowledge	Programming skills Computational thinking Algorithms Data types, data structures Exchanging data Software Development Processing, software & hardware Ethical, cultural, social, moral & environmental impacts of CS					
British values	Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.					
Alive Values	**We can**: Contribute Question Review Communicate **We are:** Creative Resilient Organised Interdependent					
Assessment	Ongoing formative and summative assessment	Ongoing formative and summative assessment	Ongoing formative and summative assessment Mock 1	Ongoing formative and summative assessment	Ongoing formative and summative assessment Mock 2	Ongoing formative assessment of early stages of coursework (NEA – Non Examined Assessment)

Year 12 Computer Science Curriculum Overview

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	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	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 13 Computer Science Curriculum Overview

St Mary Redcliffe and Temple School

Year 13	Term 1	Term 2	Term 3	Term 4	Term 5
Skills	Effective problem solving Creating coded solutions for specific Understanding how computer systems work and their impact on society				
Knowledge	Programming skills Computational thinking Algorithms Data types, data structures Exchanging data		Software Development Processing, software & hardware Ethical, cultural, social, moral & environmental impacts of CS Developing a programming solution		
British values	Understanding and learning about the legislation related to Computer Science & Technology and how this impacts on us.				
Alive Values	**We can**: Contribute, Question, Review, Communicate **We are**: Creative, Resilient, Interdependent, Organised				
Assessment		Ongoing formative and summative assessment	Ongoing formative and summative assessment Mock3	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				