

Key Stage 5 – Computer Science

Year	Knowledge	Skills	Alive themes	Justice and Respect
12	Programming skills Computational thinking Algorithms Data types, data structures Exchanging data Software Development Processing, software & hardware Ethical, cultural, social, moral & environmental impacts of CS	Effective problem solving Creating coded solutions for specific Understanding how computer systems work and their impact on society	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.
13	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	Effective problem solving Creating coded solutions for specific Understanding how computer systems work and their impact on society	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.

How does this prepare students for the next phase? The course gives students who are wanting to continue with CS an excellent grounding in various skills that will help them develop further. It also teaches and helps develop problem solving skills that can be adapted to other areas of life.