

	What we do	When we do it (e.g. Term 3)	How it helps students to develop our Alive theme
Year 10	Systems Architecture Memory Algorithms Programming Fundamentals System Software	Term 1 Term 2 & 3 Term 4 Term 5 Term 6	<p>Paper 2 units give students the opportunity to explore we can contribute and review. We are creative, resilient and organised.</p> <p>Paper 1 topics in Y10 is opportunity to explore we are interdependent. How both the CPU and systems software work interdependently</p>
Year 11	Computer Networks Network Threats Producing Robust Programs Boolean logic Legal, Ethical, Moral & Environmental Issues Programming Languages and IDE	Term 1 Term 1 Term 2 Term 3 Term 4 Term 5	<p>These units allow for students to explore we value ourselves, trust & truth & justice & respect</p> <p>This unit gives opportunity for we can communicate</p> <p>Paper 2 units give students the opportunity to explore we can contribute and review. We are creative, resilient and organised.</p>

Computer Science Year 10 Alive Themes

Term	Alive Theme	What we do	How it helps students to develop that Alive theme
1	We are interdependent	Systems architecture and systems software are two units that can introduce interdependence. Looking at how the different aspects of the computer work with each other to all run effectively.	The units systems architecture and systems software allow for discussion about interdependence .
2	We are creative We are resilient We are organised	The algorithms unit builds on the work done on this topic in KS3 students study different types of algorithms (searching and sorting) but also look at problem solving techniques such as abstraction and decomposition	Students need to show resilience, creativity and organisation to be successful with this topic.
3	We are interdependent	Systems architecture and systems software are two units that can introduce interdependence. Looking at how the different aspects of the computer work with each other to all run effectively.	The units systems architecture and systems software allow for discussion about interdependence .

Computer Science Year 11 Alive Themes

Term	Alive Theme	What we do	How it helps students to develop that Alive theme
1	We value ourselves We value trust and truth We value justice and respect	The topic of legal, ethical, moral and environmental issues offer the opportunity for students to explore and form opinions about how these issues effect the use of technology and computer science	Researching all the areas of this topic to help form extended answers to each area. Making sure they cover both sides of the argument.