

Computer Science – KS3 road story

Term	1	2	3	4	5	6
Topic theme	Data representation	Algorithms and programming	Development	Hardware and Software	Data	Ethical and legal issues
Big question	<i>How do we communicate with computers?</i>	<i>How do you program a computer?</i>	<i>How do you make things with a computer?</i>	<i>How do computers work and how do you use them effectively?</i>	<i>How is data stored on computers?</i>	<i>What issues have computers created?</i>
Year 7	Binary and character sets	Programming with scratch	Physical computing	Networks	Spreadsheet modelling	Impact of technology – collaborating online respectfully
Year 8	Hexadecimal and images	Introduction to python programming	Developing for the web	Computer systems	Programming with data	Ethical issues created by computers
Year 9	Representations – going audio visual	Drawing with python	Mobile app development	Using software to complete everyday tasks	Data Science	Cybersecurity