

Computing Curriculum Topics

Year Group	Term .1	Term .2	Term .3	Term .4	Term .5	Term .6
Year 7	Can we ever be safe online?	How do programmers use flowcharts?	How can I use ICT support my school work?	Can we accurately model the world using computer software?	Technology develops at an incredible rate – what were the starting points and what did they lead to?	Can a computer be more intelligent than the programmer who programmed it?
Year 8	How does a computer function?	Why is binary so important?	How can we solve problems with efficient programs?	How do Vector graphics differ from Bitmap graphics?	How do we create an online gaming app?	How do we program a computer using a command line interface?
Year 9	Why is our data so valuable to hackers?	How do media companies use Computers to construct their products?	How does the internet work?	How are webpages created?	How can we solve problems with efficient problems?	What do companies use databases for?
Year 10	Can everything be represented by 0s and 1s?	How can we solve problems with efficient programs?	How can we think more like a computer? How can we solve problems with efficient programs?		How do high-level languages differ from low-level languages and why are they needed?	What is an operating system and why do devices need them?
Year 11	How can we design the fastest computer in the world?	How does primary memory and secondary memory differ?	Why can data travel securely across a network?	Can all data be hacked when it travels across the internet?	Do computers really make the world a better place?	