

Computer Science

Year 7

Please use this Route Through to learn more about what students are learning in lessons, and how they can extend their learning at home. Please contact the Head of Department or Director of Year for more information.

Subject	What are students learning in lessons?	What could students do to extend their learning and develop their character?
Autumn Term 1	Ctrl Alt Begin: logins, OneNote, sending emails, file structure and Microsoft Word.	Be curious: find the most common passwords used in the world. Make a poster to share this information and give people advice about setting passwords.
Autumn Term 2	Ctrl Alt Begin: use of PowerPoint and learn about AI and online safety.	Be responsible: create a step-by-step guide for new Year 7s next year to explain how to stay safe online and protect their school account.
Spring Term 1	Edublock Programming: what is coding, variables and selection.	Be focused: create a basic calculator using Edublocks and record a short video demonstration of it working.
Spring Term 2	Edublock Programming: block based count controlled iteration, block based condition controlled iteration and participate in a coding project.	Be focused: design a coding challenge for a friend and create a flowchart showing the solution.
Summer Term 1	Networks: what is the internet, bandwidth and internet hardware.	Be focused: create a comic strip showing how information travels across the internet.
Summer Term 2	Networks: internet protocols, internet topographies and comparing wireless to wired connections.	Be curious: compare wired and wireless networks and create a guide recommending the best option for different situations.
How should I plan my time?	Assessment	Home Learning
	Students think hard and answer lots of questions every lesson. Students practice and get feedback on their work. Exam: Students will not sit an exam.	Character tasks to continue the joy of learning beyond the classroom.