

Year 9 Curriculum Overview ICT

	Autumn term Web design	Spring term Advanced Python programming	Summer term Cyber security
Approx No. Lessons	7	6	6
Curriculum Content	Students will study how a business is set up and how to create a website for the business.	Students will use PRIMM to study how the computational constructs can be used in Python to solve complex problems including searching and sorting algorithms.	Students will study the issues surrounding the use of personal and sensitive data and how to keep data safe.
Links to Prior learning	Students will build on their understanding of research, using software tools and the internet from previous years.	Students will need an understanding of breaking problems down and reading and writing code from introduction to Python unit.	This will build on students' prior knowledge of how the internet and computers work.
Cultural Capital Opportunities	Watch The social network One minute mentor videos	Myths that need debunking about programmers https://recruitingtimes.org/recruitment-and-hr-technology-news/21724/myths-need-debunking-programming-jobs/ One minute mentor videos	Film – sneakers Safer internet day https://www.thinkuknow.co.uk/ One minute mentor videos
Assessment focus	Assessment covering e-commerce, web design and all year 7 and 8 topics	In class work assessed	End of year assessment covering web design, cyber security, e-commerce, Python and all year 7 and 8 units out of 50 marks.
Link to detailed content	Web design knowledge organiser E-commerce knowledge organiser	Python knowledge organiser	Cyber security knowledge organiser