

Year 9 Computer Science

Below are the topic areas covered over this academic year. Please use the resources to help improve and embed the learning you have completed in school.

Autumn Term	
Topic Area	Resources
Searching	Why do we need searching algorithms? - Searching - KS3 Computer Science Revision - BBC Bitesize
Sorting	Why do we need searching algorithms? - Searching - KS3 Computer Science Revision - BBC Bitesize
Algorithms	What is an algorithm? - Algorithms - KS3 Computer Science Revision - BBC Bitesize
Python Programming	What is a program? - Introduction to programming - KS3 Computer Science Revision - BBC Bitesize
Variables	Variables - Programming basics - KS3 Computer Science Revision - BBC Bitesize Naming variables - Programming basics - KS3 Computer Science Revision - BBC Bitesize Working with variables - Programming basics - KS3 Computer Science Revision - BBC Bitesize Input and output - Programming basics - KS3 Computer Science Revision - BBC Bitesize
Python Turtle	EDEXCEL GCSE (1CP2) The Turtle module - YouTube

Spring Term	
Topic Area	Resources
Computer Misuse Act	Computer Misuse Act - The law and ethics - KS3 Computer Science Revision - BBC Bitesize
Copyright, Designs and Patents Act	Copyright, Designs and Patents Act - The law and ethics - KS3 Computer Science Revision - BBC Bitesize
Data Protection Act	Data Protection Act - The law and ethics - KS3 Computer Science Revision - BBC Bitesize
App Development	Unit: Mobile app development KS3 Computing Oak National Academy

Summer Term	
Topic Area	Resources
Embedded Systems	<u>Embedded systems - Systems architecture - OCR - GCSE Computer Science Revision - OCR - BBC Bitesize</u>
RAM/ROM	<u>Common CPU components - Systems architecture - OCR - GCSE Computer Science Revision - OCR - BBC Bitesize</u>
Summer Project – Summer Festival	Use the resources available on your Teams Page
Digital Literacy	Use the resources available on your Teams Page