

# 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.

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

<b>Spring Term</b>	
<b>Topic Area</b>	<b>Resources</b>
RAM/ROM	<a href="#">Random access memory - Memory and storage - OCR - GCSE Computer Science Revision - OCR - BBC Bitesize</a>
CPU	<a href="#">What is the purpose of the CPU? - The CPU and the fetch-execute cycle - KS3 Computer Science Revision - BBC Bitesize</a>
FDE Cycle	<a href="#">The fetch-execute cycle - The CPU and the fetch-execute cycle - KS3 Computer Science Revision - BBC Bitesize</a>
Computer Software	<a href="#">What is software? - Software - KS3 Computer Science Revision - BBC Bitesize</a>

<b>Summer Term</b>	
<b>Topic Area</b>	<b>Resources</b>
Computer Misuse Act	<a href="#"><u>Computer Misuse Act - The law and ethics - KS3 Computer Science Revision - BBC Bitesize</u></a>
Copyright, Designs and Patents Act	<a href="#"><u>Copyright, Designs and Patents Act - The law and ethics - KS3 Computer Science Revision - BBC Bitesize</u></a>
Data Protection Act	<a href="#"><u>Data Protection Act - The law and ethics - KS3 Computer Science Revision - BBC Bitesize</u></a>
Summer Project – Summer Festival	Use the resources available on your Teams Page
Digital Literacy	Use the resources available on your Teams Page