

## Curriculum Overview: Year 9 Computing

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
<b>Topic</b> Computer Science Programming 3	<b>Topic</b> Computer Science Programming 3	<b>Topic</b> iMedia Websites	<b>Topic</b> iMedia Websites	<b>Topic</b> Artificial Intelligence
<b>Links to prior learning</b> Y7 Spr1 Computer Science Programming 1, Y8 Aut1 Computer Science Programming 1	<b>Links to prior learning</b> Y7 Spr1 Computer Science Programming 1, Y8 Aut1 Computer Science Programming 1	<b>Links to prior learning</b> Y7 Spr2 iMedia Graphics1I, Y8 Spr1&2 iMedia Graphics 2I  <b>Stretch and Challenge Enquiry</b> How can JavaScript affect the functionality of a website?	<b>Links to prior learning</b> Y7 Spr2 iMedia Graphics1I, Y8 Spr1&2 iMedia Graphics 2I  <b>Stretch and Challenge Enquiry</b> How can JavaScript affect the functionality of a website?	<b>Links to prior learning</b> Y9 Aut1&2 Computer Science Programming 3, Y7 Sum2 Data Modelling  <b>Stretch and Challenge Enquiry</b> How do AI models work?
<b>Stretch and Challenge Enquiry</b> How can subroutines be used to improve programming?	<b>Stretch and Challenge Enquiry</b> How can subroutines be used to improve programming?			
<b>Equipment Needed</b>	<b>Wider Reading</b>	<b>Family activities</b>		
Pencil, ruler, rubber, sharpener, Ball point pen. Having internet access as well as a mobile phone, laptop or computer at home is beneficial, although not essential.	CGP Key Stage Three Computing Complete Revision and Practice Learning to Program in Python: PG Online, Heathcote	Collect images and other assets which could be used within their work. Ask your child to discuss or show you some of the pieces of work they have created. Encourage your child to develop a growth mind-set and accept mistakes as part of the learning process. If you have a PC or laptop and can access the following website <a href="https://repl.it/@enaard/Python-3">https://repl.it/@enaard/Python-3</a> Or download the free Python software; students can work on their programing skills.		