

Curriculum Overview: Year 9 Computing

| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 |
|---|---|--|---|---|
| Topic System Architecture II | Topic Algorithms II | Topic Website Design | Topic Website Design | Topic Digital Literacy II |
| Links to prior learning Y7 Aut2 System Architecture I | Links to prior learning Y7 Sum1 Algorithms I | Links to prior learning Y7 Spr1 Digital Graphics I, Y7 Spr2 Programming I, Y8 Spr1 Programming II, Y8 Spr2 Digital Graphics II | Links to prior learning Y7 Spr1 Digital Graphics I, Y7 Spr2 Programming I, Y8 Spr1 Programming II, Y8 Spr2 Digital Graphics II | Links to prior learning Y7 Aut1 Digital Literacy I, Y8 Sum1 Digital Literacy II |
| Stretch and Challenge Enquiry How can different factors affect the performance of the CPU? | Stretch and Challenge Enquiry What is the most efficient sorting algorithm? | Stretch and Challenge Enquiry How can CSS affect the format of a website? | Stretch and Challenge Enquiry How can JavaScript affect the functionality of a website? | Stretch and Challenge Enquiry How does legislation affect different stakeholders? |
| Equipment Needed | Wider Reading | | Family activities | |
| 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 https://repl.it/@enaard/Python-3 Or download the free Python software; students can work on their programming skills. | |