The Bemrose School Curriculum

Curriculum Overview: Year 7 Computing

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic Digital Literacy I	**Topic** System Architecture I	**Topic** Programming I	**Topic** Digital Graphics I	**Topic** Digital Literacy II	**Topic** Data Modelling I
Links to prior learning KS2 Safe use of technology, opportunities for communication **Stretch and Challenge Enquiry** What are the different features of emails?	**Links to prior learning** KS2 Computer networks and different types of software **Stretch and Challenge Enquiry** How can you convert a denary number into a binary number?	**Links to prior learning** KS2 Use sequence, selection and repetition in programs, designing, writing and debugging programs **Stretch and Challenge Enquiry** How can you use iteration to make programs more efficient?	**Links to prior learning** KS2 Using a variety of different software to create different content **Stretch and Challenge Enquiry** How can images be manipulating using digital graphics software?	**Links to prior learning** Y7 Aut1 Digital Literacy I **Stretch and Challenge Enquiry** What is the impact of your online usage?	**Links to prior learning** KS2 Collecting, analysing, evaluating and presenting data **Stretch and Challenge Enquiry** How can you model data using spreadsheet software?

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	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 programing skills.