ICT/Computer Science Key Stage 4

What can students do to develop their skills in this subject area?

Student could extend understanding through reading texts such as Computer Weekly.

Students could download free creative packages such as GIMP and Inkscape to help them develop their bitmap and vector images skills.

Download 'python' and other programs to help develop programming and understand logic.

Investigate apps to support learning – for example appshed which is a free subscription.

Investigate and use Java script.

What wider reading can be completed to support the curriculum?

Beginning Java – Ivan Horton.

Teach Yourself Java – Roger Cadenhead.

Python Programming for Absolute Beginners – Michael Dawson.

What websites could students visit to support the curriculum?

www.computerweekly.com

www.youtube.com - (programming tutorials).

www.codeschool.com

www.udacity.com

Can television assist with supporting the curriculum?

Students could watch BBC Click Gadget show www.bbc.co.uk/programmes for interesting insights into advancement in technology.

How can parents/carers help and what can be done at home?

Encourage your son or daughter to teach you or a sibling/other relative the skills they have learnt in the Academy (even if you think you know how to do the skill already).

Encourage your son or daughter to learn to touch-type; there are many free programs and apps available.

Discuss the IT controls you have in use in the home and why you consider it vital to monitor certain access to computers and mobile devices.