**Progression of skills: Computing y6**

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| National Curriculum(Abbreviated from SPTO) | * design and write programs to solve problems
* use sequences, repetition, inputs, variables and outputs in programs
* detect and correct errors in programs
* understand uses of networks for collaboration and communication
* be discerning in evaluating digital content
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| Learning KPIs | * Use more advanced keyboards (ctrl b, u, a, l, e, r, f)
* Use scaling options when printing work
* Choose the appropriate quality of a print
* Know how to debug (problem solve) computer start up errors
* Adjust screen resolution
* Annotate work using print screen and auto shapes (arrows) to evaluate and justify appropriate use of ICT for the purpose and audience
* Use appropriate computing vocabulary (variable)
* To confidently use touch type
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| Techniques | Using computers* independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information
* design and create a range of programs, systems and content for a given audience
* independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information

E-Safety* use technology respectfully and responsibly
* identify a range of ways to report concerns about content and contact in and out of school

Coding:* include use of sequences, selection and repetition with the hardware used to explore real world systems
* solve problems by decomposing them into smaller parts
* create programs which use variables
* use variables, sequence, selection and repetition programs
* use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms and programs efficently

Networks* understand how computer networks enable to computers to communicate and collaborate
* begin to use internet searches within his/her own creations to share and transfer data to a third party

Net-searching* use filters in search technologies effectively and is discerning when evaluating digital content
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| Support |  |
| More Able |  |