**Progression of skills: Computing y5**

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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 search tools to locate work (include filtering by date/ name etc
* Begin to use keyboard shortcuts (ctrl c, v, x )
* Use the mouse to zoom in and out
* Select appropriate printer to print work
* Use appropriate computing vocabulary (USB port, cell)
* Import data from external device
* Annotate work using print screen and auto shapes (arrows) to
* evaluate and justify use of ICT
* To begin to use touch type
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| Techniques | Using computers* independently select and use appropriate software for a task
* independently select, use and combine a variety of software to design and create content for a given audience

E-Safety* understand the need to only select age appropriate content

Coding:* design, input and test an increasingly complex set of instructions to a program or device
* design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems
* design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeteated
* design, write and test simple programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the user
* use logical reasoning to explain how increasingly complex algorithms work to ensure a program’s efficiency

Networks* begin to use internet services to share and transfer data to a third party

Net-searching* use filters in search technologies effectively
* use filters in search technologies effectively and appreciate how results are selected and ranked
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| Support |  |
| More Able |  |