**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 |
| 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 |
| 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 |
| Support |  |
| More Able |  |