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