

Kimbolton Primary Academy

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Key Stage 2 Computing

- ❖ Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
- ❖ Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.
- ❖ Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- ❖ Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.
- ❖ Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- ❖ Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
- ❖ Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Year 5 Objectives

- ❖ **I can combine sequences of instructions and procedures to turn devices on and off.**
- ❖ **I can use technology to control an external device.**
- ❖ **I can design algorithms that use repetition and 2 way selection**
- ❖ **I can analyse information**
- ❖ **I can evaluate information.**
- ❖ **I understand how search results are selected and ranked.**
- ❖ **I can edit a film.**
- ❖ **I understand that you have to make choices when using technology and not everything is true/safe.**