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| Computing | **Autumn – Algorithms (Barefoot Computing)**  Key Stage 1 statements  Pupils should be taught to:   * understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions   Examples of activities to be used in discrete teaching can be found following the links below:   * [**understand what algorithms are**](https://www.barefootcomputing.org/my-barefoot/learning-objectives/understand-what-algorithms-are) * [**understand how algorithms are implemented as programs on digital devices**](https://www.barefootcomputing.org/my-barefoot/learning-objectives/understand-how-algorithms-are-implemented-as-programs-on-digital-devices) * [**understand that programs execute by following precise and unambiguous instructions**](https://www.barefootcomputing.org/my-barefoot/learning-objectives/understand-that-programs-execute-by-following-precise-and-unambiguous-instructions) (Bee bots – Using Beebots and Beebot app on ipads)   Learning alongside discrete subjects throughout the week include:  Learning to use apps on the i pad including opening and closing apps and using I pads appropriately  Logging on to the laptops and using School 360  **E Safety**  **https://www.thinkuknow.co.uk** | **Spring (Barefoot Computing)**  Pupils should be taught to:   * Create and debug simple programs   Examples of activities to be used in discrete teaching using Beebots and Scratch can be found following the links below:   * [**create simple programs**](https://www.barefootcomputing.org/my-barefoot/learning-objectives/create-simple-programs) * [**debug simple programs**](https://www.barefootcomputing.org/my-barefoot/learning-objectives/debug-simple-programs)   Learning alongside discrete subjects throughout the week should include:  Learning to use apps on the i pad including opening and closing apps and using I pads appropriately  Logging on to the laptops and using School 360  **E Safety**  https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/811796/Teaching\_online\_safety\_in\_school.pdf | **Summer (Barefoot Computing)**  Pupils should be taught to:   * use logical reasoning to predict the behaviour of simple programs   Examples of activities to be used in discrete teaching can be found following the links below:   * [**use logical reasoning to predict the behaviour of simple programs**](https://www.barefootcomputing.org/my-barefoot/learning-objectives/use-logical-reasoning-to-predict-the-behaviour-of-simple-programs)   Learning alongside discrete subjects throughout the week should include:  Learning to use apps on the i pad including opening and closing apps and using I pads appropriately  Logging on to the laptops and using School 360  **E Safety**  https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/811796/Teaching\_online\_safety\_in\_school.pdf |