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| Computing | **Autumn – Algorithms (Barefoot Computing)**Key Stage 1 statementsPupils 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 appropriatelyLogging 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 appropriatelyLogging 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 appropriatelyLogging 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 |