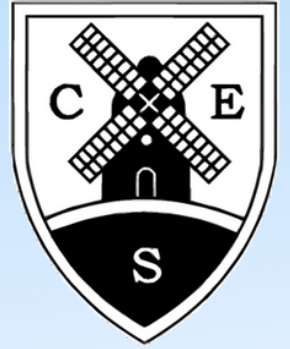# COMPUTING

Being Safe

In Early Years, children are taught to safely use and explore technology with guidance.

In Key Stage 1, children are taught to know where to go for help if concerned in school and at home. Children are taught what a digital footprint is and understand the digital trail each individual leaves online. Children are taught to explain why their personal information needs to be kept safe.

In Key Stage 2, children are taught to understand that they have to make choices when using technology and that not everything online is true and/or safe. Children are taught to minimizes risks as well as identifying a range of ways to report concerns both inside and outside of school. Children are taught to be increasingly aware of the potential dangers in using aspects of IT and know when to alert someone.

COMPUTING

Creating and Developing Programs

In Early Years, children are taught to be confident to try new activities and show independence, resilience and perseverance in the face of challenge with technology.

In Key Stage 1, children are taught to recognise, understand and create simple one and two step algorithms using a block of instructions and test these to debug and improve.

In Key Stage 2, children are taught to design, write and debug programs with specific goals that contain more than one attribute. Children are taught to use software to create and develop multiple algorithms contained in one sequence with an input switch to control different parts.

COMPUTING

Using Technology

In Early Years, children are taught to be confident to try new activities and show independence, resilience and perseverance in the face of challenge with technology.

In Key Stage 1, children are taught to organise, retrieve and manipulate digital content including the web to complete simple searches both in and outside of school. Children are taught to save, open and edit work on multiple devices.

In Key Stage 2, children are taught to develop their understanding and use of search engines and that some search engines may provide misleading information. Children are taught to combine software on a digital device. Children create, collect, analyse and evaluate data, information and programs that have a specific goal.