Computing

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What is Computing?

In Computing, we develop essential skills for life in a digital age, learning to apply critical thinking and problem-solving skills. It is made up of three interrelated stands: computer science, information technology and digital literacy.

Computer Science

The study of how computer systems work. Children will develop a range of skills through designing algorithms and writing programs.

Information Technology

A broad area of study where pupils focus on how computer applications can be used in a creative way to design solutions to problems. Pupils learn about skills, such as internet search techniques, evaluating the reliability of websites etc.

Digital Literacy

This relates to using computer applications and systems effectively, helping pupils to become active and responsible participants of the digital world.

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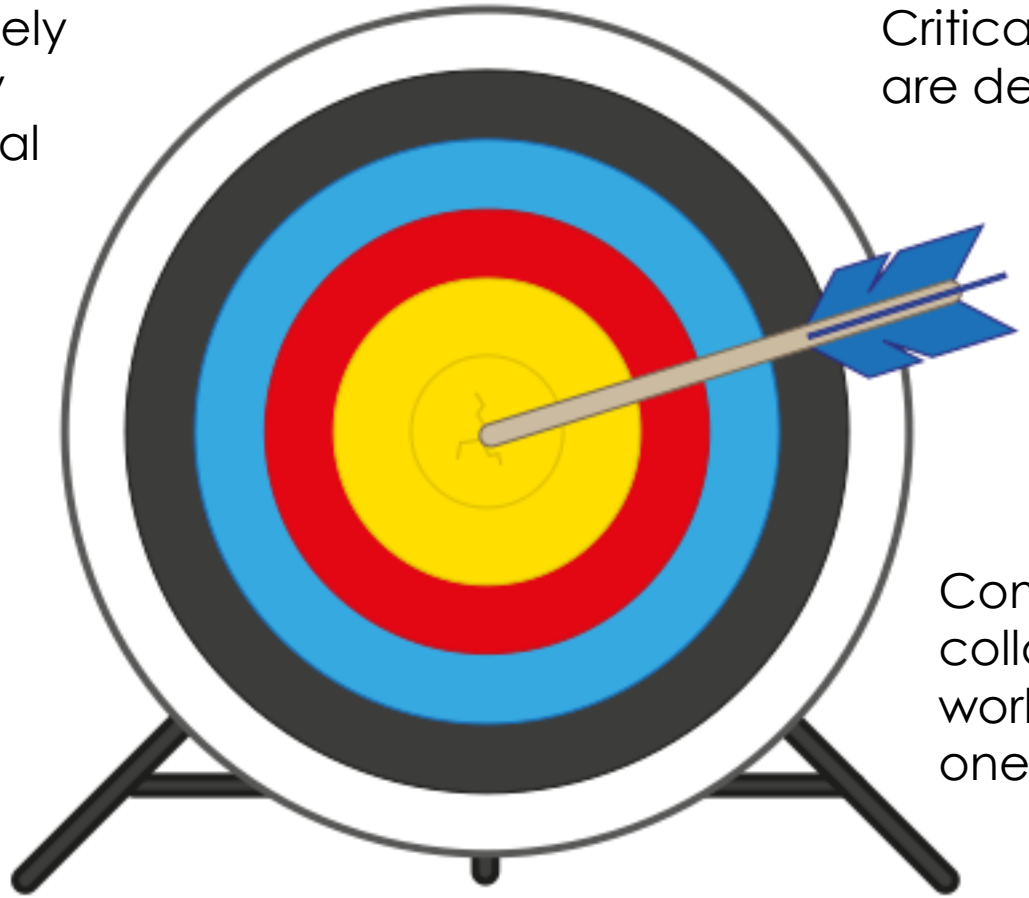
Aims

Through computing, pupils are more able to actively participate in a rapidly changing technological world.

Computing teaches pupils how to flourish in a connected world, developing their sensitivity to others online, treating them with respect, and showing respect for their privacy.



Critical thinking and analytical skills are developed through computing.

Computing develops pupils' skills in using technology to create, organise, store, manipulate and retrieve digital content.

Computing nurtures pupils' collaboration skills, as they work together and support one another in their learning.

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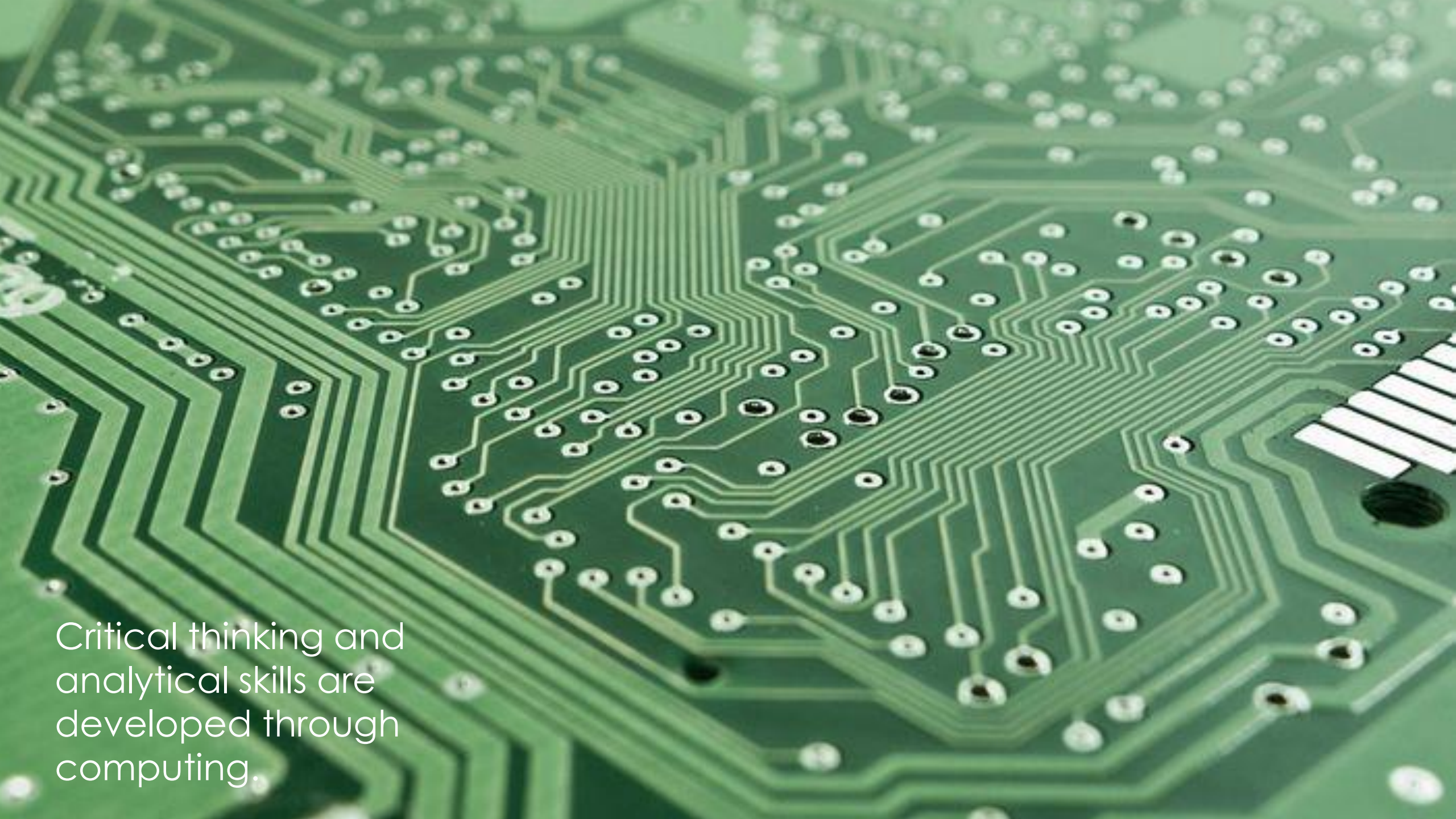
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Evidence

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Word Processing

Programming

Sequences of commands

Problem solving

Animation work

Creativity

Presentations

Research

Collaboration