Does the UK benefit from the extended study of Computing?

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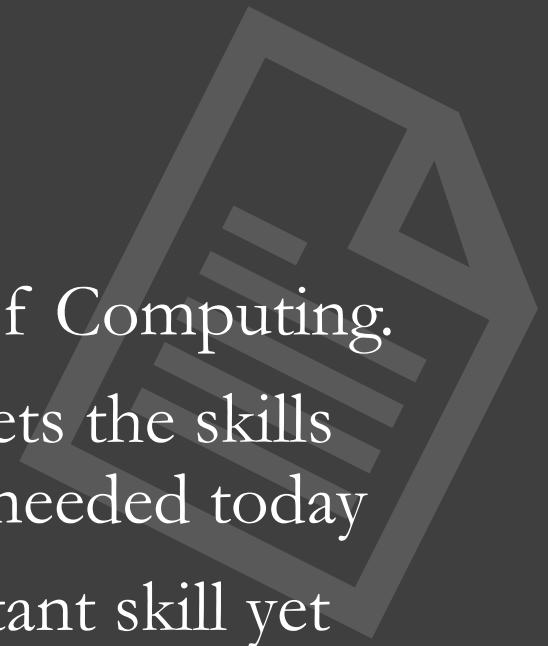
The Brief Summary



1. Yes! The UK does benefit from the extended study of Computing.
2. Digital Literacy is important, but the curriculum targets the skills needed in 2014, which are very different from those needed today
3. Computational Thinking however is the more important skill yet underdeveloped by Computing and the Education System

My Research Process

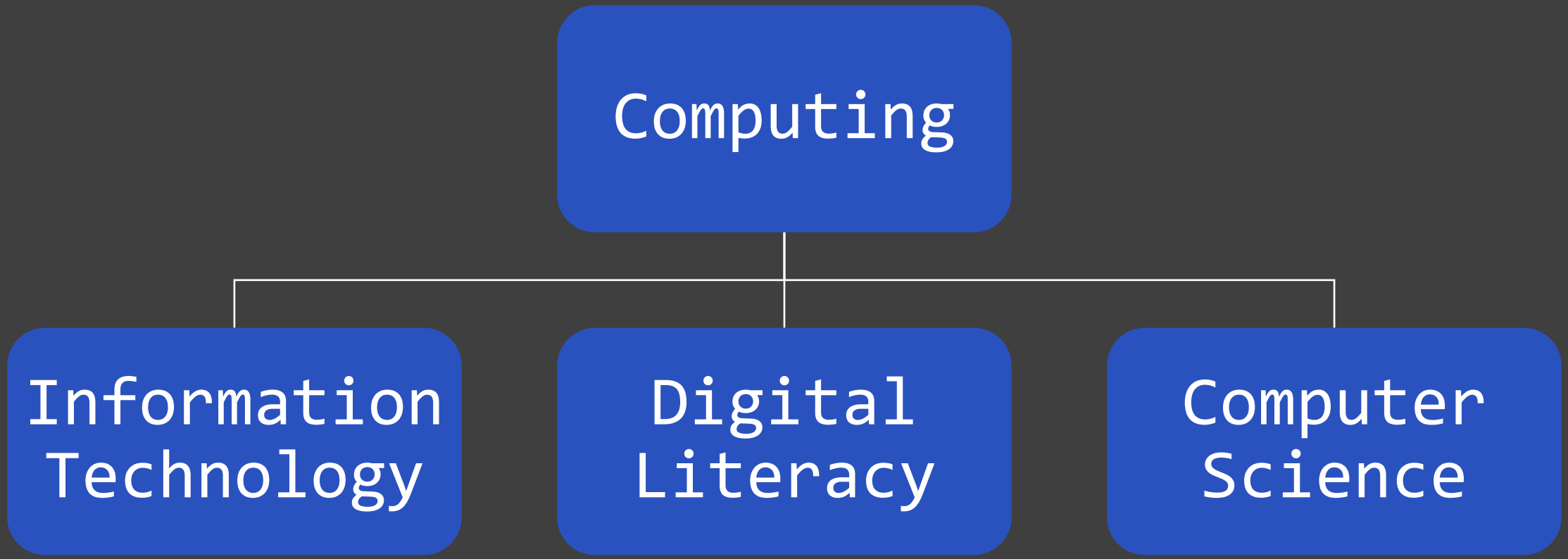
Wide range of sources on Computing Education

The Royal Society: Shut down or restart? and After the reboot

House of Commons and House of Lords

The University of Roehampton Annual Computing Education Report

The 3 Pillars of “Computing”



Key Finding #1: Digital Literacy

- Digital Literacy is Important
- Broad application, giving universal appeal

Digital literacy <u>should</u> be a fourth pillar of education, alongside reading, writing and maths

– House of Commons Digital, Culture, Media and Sport Committee, 2019

The Digital Literacy curriculum needs a refresh to remain current

Key Finding #2: Computational Thinking

- Computational Thinking involves decomposition, abstraction and pattern recognition to design a solution
- Developed primarily by Computer Science
- Pragmatic in its approach, creative in its application

Computational Thinking should be developed further

What I Learnt

- Computational Thinking!
- Project Management Skills
- Source Analysis

What Would I Do Differently?

- After researching a source note down the most interesting/useful points to reference in my project
- Improve the clarity and focus of my argument

Thank You for Listening