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Computational thinking in practice A complex problem is one that, at first glance, we don't know how to solve easily. Computational thinking involves taking that complex problem and breaking it...

What is computational thinking? - Introduction to ...

In essence, computational thinking is a set of tools or strategies for solving complex problems that relates to mathematical thinking in its use of abstraction, decomposition, measurement and modeling. However, it is more directly cognizant than math per se in its ability to compute and the potential benefits of doing so. When we talk about computational thinking, there are certain words that appear across many different definitions. These include:

What Is Computational Thinking? - Computational Thinking ...

Computational complexity theory focuses on classifying computational problems according to their resource usage, and relating these classes to each other. A computational problem is a task solved by a computer. A computation problem is solvable by mechanical application of mathematical steps, such as an algorithm. A problem is regarded as inherently difficult if its solution requires significant resources, whatever the algorithm used. The theory formalizes this intuition, by introducing mathemat

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Computational Thinking (CT) is a problem solving process that includes a number of characteristics and dispositions. CT is essential to the development of computer applications, but it can also be used to support problem solving across all disciplines, including math, science, and the humanities.

Google for Education: Computational Thinking

Computational thinking involves solving problems, designing systems, and understanding human behavior by drawing on the concepts fundamental to computer science. Thinking like a computer scientist means more than being able to program a computer. It requires thinking at multiple levels of abstraction.

Computational Thinking - Jeannette Wing

computationality of the forms held within a computational medium. That is, I propose to look at the digital component of the digital humanities in the light of its medium specificity, as a way of thinking about how medial changes produce epistemic changes. This approach draws from recent work in software studies and critical