Computational Thinking

is a process that helps us create possible solutions for complex problems. The solution is presented in a way that humans and computers can understand.

**Decomposition**
What is the big problem you are trying to solve?
Can you break it down into smaller, more manageable parts?

**Pattern Recognition**
What similarities do you see within the bigger problem and its parts?

**Abstraction**
What information is relevant to the problem and solution?
What can be set aside?

**Algorithms**
What step-by-step solution or set of rules can you design to solve the problem?

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Kids learn computational thinking when they:
- tinker
- create
- design
- build
- code