

# WHAT IS COMPUTATIONAL THINKING?

Computational Thinking is a problem solving tool that uses abstraction, decomposition, pattern recognition, and algorithms.

Examples: Planning a vacation, reading, and making maps

## REAL LIFE APPLICATION/ CONNECTION:

Computational thinking serves as a problem-solving method that your child is likely already mastering. Here are the key techniques involved:

- Decomposition involves breaking down complex problems into smaller components.
- Algorithms provide a sequence of steps to accomplish a task.
- Abstraction focuses on disregarding irrelevant details.
- Pattern recognition entails identifying similarities among various problems.

## HOW DID WE PRACTICE THIS SKILL?

- Passion Project
  - Today students will begin working on their Passion Project. Passion Project allows the students to dive deeper into the coding platform of their choice.
- Throughout the semester, we have tried to model problem solving through engaging and creative ways. Most of the time, there is more than one way to solve a problem.

## CONTINUE LEARNING:

- Model and use the term “computational thinking” with your child
- Encourage creative problem solving
- Bake or Cook together
- [Ways to Build Computational Thinking Skills- Article for Parents](#)

<https://bit.ly/40qUT0e>

