

# What is Computational Thinking?

Computational thinking means **thinking like a computer in order to solve problems and create programs**. Computational thinking skills are useful for coding, and they're also useful for solving problems in everyday life.



## ***Abstraction***

Looking at a problem from **different angles**, or **zooming in or out** to focus on different parts of the problem.

## ***Decomposition***

Taking a complicated problem and **breaking it into smaller parts** that are easier to understand and solve.



## ***Pattern recognition***

Noticing when **something gets repeated** and using it to make predictions or solve problems more efficiently.

## ***Algorithmic thinking***

Developing a clear, specific **step-by-step description** of how to solve a problem or complete a task.



## ***Debugging***

**Testing** a solution or program, **finding errors**, figuring out what's wrong, and **fixing it**.