**BRILLIANT**   Home   Courses   Classroom   2⚡ ☰
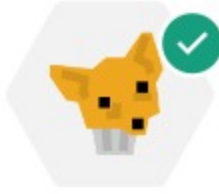


# Computer Science & Programming

**LEVEL 1**

## 1.2 Computer Science Fundamentals

Wrap your mind around computational thinking, from everyday tasks to algorithms.

📖 14 Lessons

## Tools of Computer Science

- ✓ Making Decisions
- ✓ Searching for Solutions
- ✓ Parallelism

## Computational Problem Solving

- ✓ Resource Tradeoffs
- ✓ Order and Search
- ✓ Naming
- ✓ Abstraction
- ✓ Interfaces

## Algorithmic Thinking

- ✓ Algorithms and Implementations
- ✓ Divide and Conquer
- ✓ Binary Search
- ✓ Thinking with Graphs
- ✓ Representing Games and Puzzles
- ✓ Graph Search

Up next



# Computer Science & Programming

**LEVEL 2**

## 2.1 Programming with Python

Learn one of the most in-demand programming languages the fun way.

**Visit course**