



C++ – Level 1

C++ level 1 class is a jump start course for absolute beginners to learn C++ programming language quickly and efficiently. Teach C++ syntax and concept of type, variable, conditional statement, loop ,array and function. For students who wants to continue pursue USACO path, we strongly suggest taking C++ Level I course to review language features.

Prerequisite

- Pre-algebra level math is required
- **OR**, take our entry test by emailing usacocoach2018@gmail.com

Course Description

- **C++ Level 1 Course** is designed to focus on learning C++ Programming language from scratch. Provide with a solid foundation in C++ syntax and programming structure. Class time is 60 minutes/lesson
- **C++ Level 2 Course** is designed to focus on learning data structures and writing small project. Provide best solution while learning data structures and programming tricks. Class time is 60 minutes/lesson

Course Syllabus (C++ Level 1)

1. Jump Start
2. Types
3. Flow Control
4. Function
5. Array
6. String
7. Pointer and File IO
8. OOP1
9. OOP2
10. Advanced Topic

Course Details

- Use ZOOM for online video platform
- Class homework and video will be shared through google account. Student Gmail account is required
- Homework will be emailed to students after the lesson. Homework is required to submit and graded through usacocoach2018@gmail.com.