



# 紐約華僑學校 2026春天班计算机编程行事曆(暫定)

## New York Chinese School Spring Semester Computer Coding Class Calendar (Tentative)

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Week	Topic	Lecture Content	Assignments
1	Introduction to C++	Compiling & running code	Install a compiler and IDE
2	Variables & Data Types	Primitive types	Write a program that performs calculations
3	Input & Output (I/O)	cin/cout, formatting output	Implement a simple interactive console program
4	Control Flow: Conditionals	if/else statements	Write a program using nested conditions
5	Control Flow: Loops	for, while, do-while	Create a number-guessing game
6	Functions & Scope	Defining functions, parameters, return types	Write a calculator using functions
7	Arrays & Vectors	Built-in arrays, vector, iteration patterns	Compute statistics on an array
8	Strings & Character Processing	std::string, common string methods, reading whole lines	Build a text-processing mini-tool
9	File I/O	Reading/writing files, error handling	Create a log analyzer program
10	Pointers	Basic pointers, addresses, dereferencing	Pointer manipulation exercises
11	Dynamic Memory	Memory allocation dynamic arrays	Implement a dynamic list structure
12	Structs & Basic Classes	Constructors; member functions	Create a simple class project
13	Operator Overloading & OOP Design	Organizing class files	Extend class with overloaded operators
14	Inheritance	Base vs derived classes	Implement a class hierarchy
15	Final Project Week	Project assistance & review	Work on final project
16	Final Exam	Course review and assessment	None