



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	Review of Basics	Variables, loops, functions, arrays	Short review exercises
2	Review of Pointers	Review Pointers & Addresses	Revisit pointers and addresses
3	Better Functions	Function parameters, return types, overloading	Write overloaded functions
4	Intro to Classes	What classes are, simple class with members	Create a basic class (e.g., Book)
5	Constructors & Objects	Constructors, initializing objects	Add constructors to your class
6	Vectors & Lists	Deeper use of vector; intro to list	Use vectors in small programs
7	Array Deeper Dive	Learning about more advanced array	Build arrays that can sort
8	File Input/Output	Reading and writing files; simple parsing	Make a program that logs data
9	Basic Structs	Structs vs classes, when to use which	Convert a class to a struct version
10	Basic Debugging	Common errors, compiler messages, debugging techniques	Debug provided broken code
11	Dynamic Memory (Gentle)	new/delete explained slowly; why it matters	Rewrite code using dynamic arrays
12	Simple OOP	Encapsulation, member functions, private vs public	Improve your class with methods
13	Basic Inheritance	Parent and child classes; simple examples	Create a small class family
14	Intro to STL	vector recap, pair, simple algorithms like sort	Sort lists of objects
15	Final Project Week	Help + support building your project	Work on final project
16	Final Presentation	Show your project, course wrap-up	None