BRING A SCANTRON CARD (50 questions per side) AND A BLUE BOOK.

Chapter 1 – Overview of programming, Vocabulary, Numbering systems

Chapter 2 & 3 - Syntax and proper use for all commands
Assignment, if, switch, for, while, arithmetic operators, functions
Declarations: variables, constants, arrays, functions
Data types – int, float, double, char, string, boolean

Chapter 3 - Expressions:
Logical expressions (Boolean Expressions) - < > etc. &&, || etc.
Comparing characters & strings

Chapter 4 - Decisions
If, If/else, If/else/if – Nested if
Scope of variables
Switch statement

Chapter 5 - Looping
While loops – counting, accumulating, sentinel (last data item)
For loops

Chapter 6 – Functions
Declaring functions
Parameters vs. Arguments
Parameter lists
Pass by value, Pass by pointer (arrays), Pass by Reference
Return type, Return value
Passing arrays as parameters
Calling a function
Overloading Functions

Chapter 8 – Arrays (8.1 – 8.8)
Declaring a single dimensioned array
Content vs. location (index)
Processing arrays using for loop vs. while loop
Some example problems:
Read into an array, Print out an array, Sum items in the array
Find the largest or smallest item in the array, Swap items in an array
Copy one array into another, Process every even item in array

* Rework all exams, all quizzes and all homework
* Work problems and questions at the end of the sections that we covered
* Write lots of code for practice