**Computer Science I**

**Topic Overview:**

1. COUT Object
2. Escape Sequences
   1. NewLine
   2. Tab
3. Variable Declaration
   1. Integer
   2. Double
4. Variable Initialization
5. Assignment Statements
6. Mathematical Expressions
7. CIN Object
8. Constant/Read-Only Variables
9. Math Functions
   1. Power
   2. Absolute Value
   3. Square Root
10. Relational Operators
11. If-Statements
    1. Nested If-Statements
    2. Linked-If-Statements
12. Logical Operators
    1. &&, ||, !
13. While-Loops
    1. Count-Controlled
    2. User-Controlled
14. Random Numbers
15. Nested Loops
    1. For and While
16. String Variable
    1. Comparing Strings
    2. String manipulation
17. Arrays
    1. Integer
    2. Double
    3. Looping through Arrays
18. Functions
    1. Single Functions
    2. Prototypes