

# TurtleCode

## Course Structure

Grade 11 - 12

CS Fundamentals and Algorithms in C++

1

**Introduction to Programming with C++:  
Environment Setup and Executing Sample Code**

2

**Variables, Data Types and File Input  
Output**

3

**Conditionals and Branching: If-Else  
Clause, Switch**

4

**Loops and Iteration: For-loop, While-  
loop, Do-While Statements**

5

**Iterative Searching and Sorting  
Algorithms**

6

**Declaring Functions, Passing  
Parameters and Calling Functions**

7

**How to Use Recursions**

8

**Declaring and Using Arrays and  
Strings**

9

**Implementing Stacks and Queues  
for Real Life Problem**

10

**Final Project Assignment**



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[www.turtlecode.np](http://www.turtlecode.np)

