

**WEST JEFFERSON HILLS SCHOOL DISTRICT  
CURRICULUM STRANDS – AP COMPUTER SCIENCE  
GRADES – (11&12)**

**OUTLINE**

- I. Review all topics covered in Structured Programming
- II. Be able to create Arrays and two-dimensional arrays.
- III. Implement searching and sorting techniques on arrays.
- IV. Learn the basics of inputting and outputting from a file.
- V. Learn the basics of classes and Interfaces.
- VI. Cover the AP Computer Science Case Study from collegeboard.
- VII. Lists and Iterators
- VIII. Implement Stacks and Queues.
- IX. Be able to create an Arraylist.
- X. Learn the basics of Recursion.
- XI. Be able to create Binary Trees
- XII. Cover Tables and Hashing
- XIII. Create priority Queues
- XIV. Analysis of Algorithms