

WEST JEFFERSON HILLS SCHOOL DISTRICT
CURRICULUM STRANDS - VISUAL BASIC 2
PROGRAMMING
GRADE (9-12)

- I. Review Visual Basic Main Concepts**
 - a. Review Inputting information from the user.
 - b. Be able to create labels.
 - c. Review decision making statements in Visual Basics
 - d. Creating iterative statements in programs.
 - e. Create and use Functions in Visual Basic
- II. Learn how to use Procedures in a program**
 - a. Learn how to create a Sub Procedure
 - b. Learn about Parameters of a Procedures
 - c. Understand Static Variable
 - d. How to use Function Procedures
- III. Understand how to use Arrays in a program**
 - a. Use variable Arrays
 - b. Understand about Array Parameters
 - c. How to search an Array
 - d. Use Dynamic Arrays in a program
 - e. How to create a Two-Dimensional Arrays
- IV. Understand the use of Graphics & Sounds in a program**
 - a. How to create Color
 - b. Create and use Picture Boxes
 - c. How to create Shapes & Objects
 - d. Design a program using animation
 - e. Design a program involving sounds
- V. Understand Sequential Access Files**
 - a. How to create and edit a File
 - b. Be able to read Records
 - c. Learn how to delete and rename Files
 - d. Learn how to update and delete Records
- VI. Understand the different Sorts and searching techniques**
 - a. Understand and use a bubble sort
 - b. Use timing code to determine speed of a sort
 - c. Understand and use a Selection Sort
 - d. Understand and use an Insertion Sort
 - e. Use a Binary search in a program
 - f. Use a Linear search in a program
- VII. Understand how to embed Microsoft with Visual Basic**
 - a. Embed an excel document in a Visual Basic Program
 - b. Embed a Word document in a Visual Basic Program
 - c. Incorporate a database in a Visual Basic Program

VIII. Menus

- a. Be able to create a Splash Screen
- b. Learn how to create and use Menus in a Visual Basic program
- c. Learn how to create Templates.
- d. Learn how to create forms