OBERLIN HIGH SCHOOL

BUSINESS EDUCATION DEPARTMENT

Information Technology

Grade 8 Syllabus

Term One: October – December 2020

Unit 1.   History of Computers

1. What is a computer?
2. Early computer development
       1.2.1 The Abacus
       1.2.2 The Pascaline
       1.2.3 Leibniz Calculating Machine
       12.4 Jacquard Loom
       1.2.5 The Difference & Analytical Engine
       1.2.6 The Tabulating Machine

Unit 2 Generations of Computers

2.1 First Generation of Computers
       2.1.1 Type of Technology- (Vacuum Tubes computers)
       2.1.2 Program Language
       2.2.2 Input, Output, Storage Device
       2.2.3 Characteristics
       2.2.4 Advantages & Disadvantages

2.2 Second Generation of Computers
     2.2.1 Type of Technology - (Transistors based computers)
     2.2.2 Program Language
     2.2.3 Input Output, Storage Devices
     2.2.4 Characteristics
     2.2.5 Advantages & Disadvantages

2.3 Thirds Generation of computers
     2.3.1 Type of Technology- (Introduction to the Integrated Circuit)
     2.3.2 Program Language
     2.3.3 Input, Output & Storage Devices
     2.3.4 Characteristics
     2.3.5 Advantages & Disadvantages

2.4 Fourth Generation of Computer
     2.4.1 Type of Technology- (Large Scale Integration/ miniaturization-the chip)
     2.4.2 Program Language
     2.4.3 Input, Output & Storage Devices