

**INFORMATION TECHNOLOGY**  
**COURSE OUTLINE & ASSESSMENT PLAN**  
**OCTOBER – DECEMBER 2020**  
**GRADE 7**

**Course Instructor:**      **Mrs. A. Edwards-Williams**

WEEK	TOPICS	OBJECTIVES	CONTENT	ASSESSMENT
1 Oct 5 – 9	History of Generation of computers	Appreciate the evolution of early computational devices  Recall the names of contributors and their contribution to the evolution of these devices  Classify computers based on the five generations  Identify the significant characteristics of each generation	Abacus  Blaise Pascal, Baron Gottfried Von Leibniz, Charles Babbage,  Fist Generation Second Generation Third Generation Fourth Generation Fifth Generation	<b>Homework:</b>  <b>End of Chapter1 Exercise</b>  <b>Page 7</b>

WEEK	TOPICS	OBJECTIVES	CONTENT	ASSESSMENT
2 Oct 12 – 16	The computer System	<p>Define the term computer</p> <p>Identify the primary components of the computer system</p> <p>Define each primary components of the computer system</p> <p>State the function each component of a computer</p> <p>Distinguish between computer” and “Computer System”</p> <p>State the amin advantages of the computer</p> <p>State the amin disadvantages of the computer</p> <p>Group the hardware components of the system into internal and external</p> <p>Define the term Peripheral devices</p> <p>Identify the main peripheral devices in a computer system</p> <p>Define the term software</p> <p>Name the two types of software</p> <p>List the types of computers</p> <p>State the application (uses) of the types of computers</p> <p>State the difference between:</p> <ul style="list-style-type: none"> <li>(a) Data and information</li> <li>(b) IT and ICT</li> </ul>	<p>Computer</p> <p>Computer system</p>	<b>Homework</b>
3 Oct 19 – 23		<p>Peripheral devices</p> <p>Software</p>		<b>End of Chapter 2 Exercise</b>  <b>Test</b>

4 Oct 26 - 30	Input Devices	Define the term input devices  Differentiate between manual input and automated input devices  State the main categories of input devices  Briefly describe each input device	Input devices	<b>Homework</b>  <b>End of Chapter 3 Exercise</b>
5 Nov 2 -6				<b>Test</b>
6 Nov 9 - 13	The processor	Define the term processor  Define the term CPU  State the function of the CPU  State the functions of the basic components of the CPU  Differentiate between the types of primary storage  Explain the steps in the Machine cycle	<b>Processor</b>  <b>CPU: ALU and CU</b>  <b>Primary storage</b>  <b>Machine cycle</b>	<b>Homework</b>
Week 7 Nov. 16 – 20				<b>End of Chapter 4 Exercise</b>  <b>Test</b>
8 Nov. 23- 27	Secondary Storage	Define the term Secondary storage  Identify the different data access types  Differentiate between storage media and storage devices  Identify images of storage media and devices  Explain key terms and concept associated with secondary storage  State the advantages of using these secondary storage medium  State the disadvantages of using these secondary storage medium	Secondary storage  Sequential and Direct Access  Secondary storage medium and devices	<b>Homework</b>
9 Nov 30- Dec 4				<b>End of Chapter 5 Exercise</b>  <b>Test</b>  . .

WEEK	TOPICS	OBJECTIVES	CONTENT	ASSESSMENT
10 Dec 7– 11  Dec 14- 18	Output Devices	<p>Define the term output</p> <p>define the purpose of output devices</p> <p>recall the characteristics of a monitor</p> <p>recall terms associated with a monitor</p> <p>recall the characteristics of a printer</p> <p>recall terms associated with a printer</p> <p>advantages of impact printers</p> <p>disadvantages of impact printers</p> <p>advantages of non-impact printers</p> <p>disadvantages of non -impact printers</p> <p>Explain the function of a plotter, speaker and COM</p> <p>Distinguish between term softcopy and hardcopy</p>		<b>Homework</b>  <b>End of Chapter 6 Exercise</b>  <b>Test</b>