# Information Technology

**IMMACULATE CONCEPTION HIGH SCHOOL**

**SUBJECT**:      Information Technology        **GRADE:**     **10**

**PERIOD:**      April – June 2020        **DEPARTMENT:** Computer

| WEEKS | TOPICS/OBJECTIVES | LEARNING OUTCOMES | ASSESSMENT |
|---|---|---|---|
| **April 22 - 24** | **Database SBA** | **Students will work on completing their SBAs** | |
| **April 27 – May 1** | **Database SBA** | **Students will work on completing their SBAs** | |
| **May 4 - 8** | COMPUTER NETWORKS AND WEB TECHNOLOGIES <br><br> • Distinguish among types of networks | Types of networks (local area network, wide area network, mobile network) <br> (a) Concept of mobile network as radio based common carrier. <br> (b) Overview of mobile networks: from 2G to current. (Knowledge of the inner workings of mobile systems is NOT required) <br><br> Networks and Web Technologies dictionary of all the following terms: local area network, wide area network, mobile network, bluetooth, wi-fi, hotspot, intranet, extranet, internet, twisted pair cable, coaxial cable, fibre-optic cable, infrared, microwave, satellite, switch, router, modem, network interface card, world wide web, hypertext mark-up | <span style="color:red">**Database SBA DUE**</span> |

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| | | language, hyperlinks, hypertext transfer protocol, web server, web page, ftp, web browser, uniform resource locator, upload and download. | |
| **May 4 - 8** | WORD PROCESSING<br><br>• Use appropriate document formatting features<br><br><br>• Create a document using content from a range of sources | Formatting features: Superscript, Subscript, tab stops, line spacing, Uppercase, word wrap, margins, page and section breaks, page numbers, headers, footers, footnotes and endnotes<br><br><br>(a) Importing text (combining documents).<br>(b) Typewritten text, images and other objects. | |
| **May 11 -15** | **THEORY REVIEW** | | |
| **May 11 -15** | WORD PROCESSING<br><br>• Use the review feature of a word processor to enhance document readiness.<br><br>• Generate table of contents for a document; | Spell and grammar check, thesaurus, word count, language setting, comments, and track changes.<br><br><br>Auto table of content. | Practical Exercise |

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| | • appropriately use features that allow the protection of a document; | Edit restrictions, Password protection. | |
| **May 18 - 22** | COMPUTER NETWORKS AND WEB TECHNOLOGIES<br><br>• Distinguish among types of networks | (a) Wireless network technologies  (e.g. Bluetooth, Wi-Fi, hotspot<br>(b) Level of privacy ( intranet, extranet, Internet) | **Mail Merge  Exercise** |
| **May 18 - 22** | • Use mail merge feature in the preparation of a document for a variety of situations; | Creation of primary documents, data sources in mail merge document. Identifying field names (merge fields). | |
| **May 25th** | **LABOUR DAY** | | |
| **May 26 - 29** | **THEORY REVIEW** | | |
| **May 26 - 29** | Use mail merge feature in the preparation of a document for a variety of situations; | Activity | **Mail Merge Test** |

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| June 1 - 5 | COMPUTER NETWORKS AND WEB TECHNOLOGIES<br><br>• Explain the functions of the basic components of a network<br><br>• Explain the functions of the basic components of a network | Basic components and functions:<br>(a) Transmission media:<br>  (i)   Wired: twisted pair, coaxial, fibre; and<br>  (ii)  Wireless: infrared, microwave, satellite<br><br><br>Switch, router, modem<br><br>Network interface card /network adapter | **Networks and Web Technologies Test**<br><br>**Final Week for Testing** |
| June 1 - 5 | • Create a fillable electronic form for online use;<br><br>• **Word Processing & Web Design SBA** | Use of content controls, such as check boxes, text boxes, date picker, drop-down lists, and command buttons. | |
| June 8 – 12 | • Assess the importance of mobile communication technologies as a component of modern communication networks. | Suitability of mobile networks various applications (for example, education, commerce and journalism) | |

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| | • Explain the interrelationship among key Web technology concepts | World Wide Web. Hypertext Mark-up Language. Hyperlinks. Hypertext transfer Protocol. Web server. Web page. FTP. Web Browser. Uniform Resource Locator. Upload. Download | |
| **June 8 - 12** | Revision & Mopping Up | | |
| **June 15 - 26** | END OF YEAR EXAMS | | |