

COMPUTER STUDIES  
INFORMATION TECHNOLOGY  
JUNIOR SECONDARY SCHOOL (JSS 3)  
FIRST TERM

WEEKS	TOPICS/CONTENTS
1.	<b>REVISION ON THE INTERNET</b> Examples of Search Engines – google.com, mama.com, ask.com, yahoo.com, etc.
2.	<b>USES OF SEARCH ENGINES</b> Use the Search Engines to obtain Information and Download Materials on the Internet
3.	<b>DIGITAL DIVIDE</b> I. Concept of Digital Divide II. Features of Old Economy - Time Consuming, Labor Based, Mechanical, Constrained by Space, Time and Mechanical III. Limitation of Old Economy
4.	<b>FEATURES OF NEW ECONOMY</b> I. Digital, Time, Space and distance is irrelevant, Knowledge based, etc. II. Benefits of new economy – Low capital, business, create new jobs, etc.
5.	<b>DIGITAL LITERACY</b> 1. Meaning of Digital Literacy 2. Characteristics of Digital Literacy
6.	<b>DIGITAL LITERACY (CONT'D)</b> Digital Literacy use in Education, Workforce and Society

**7. DATABASE**

- I. Operational Definition of Database
- II. Database Terminologies – Fields, Records, Files, Keys, etc. (State and Explain the Database Terminology)

**8. FORMS OF DATABASE**

- I. Flat File
- II. Hierarchical
- III. Relational
- IV. Preparation of Results Sheet
- V. Start and open an existing database, Input, Store and Retrieve Information from a Database Application

**9. SPREADSHEET**

- I. Examples of Spreadsheet Packages – Excel, Lotus 123, STATVIEW, etc.
- II. Uses of spreadsheet packages - preparation of daily sales, budget, Examination Results

**10. SPREADSHEET PACKAGES (CONTINUATION)**

- I. Spreadsheet Features and Terminologies – Row, Column, Cell, Worksheets, Charts, Data Range, etc.
- II. Load and existing spreadsheet packages.

**11. | 13. REVISION AND EXAMINATION**

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SECOND TERM

WEEKS	TOPICS/CONTENTS
1.	<b>GRAPHIC</b> Creating Graphs – Line graphs, Histogram, Pie charts, Legends, etc
2.	<b>EDITING GRAPHS</b> I. Formatting Graphs – Line graphs, Histogram, Pie charts, Legends, etc. II. Identify and Select Data Range and Area for Graph Construction
3.	<b>THE WORKSHEETS</b> I. Starting Worksheets II. Data Entry III. Editing IV. Saving V. Retrieving Worksheets VI. Formatting worksheets (Text, Cell and column, naming, etc. )
4.	<b>CALCULATIONS</b> I. Addition, Average, Counting, Multiplication, Division, etc II. Printing of Worksheets.
5.	<b>COMPUTER CAREER OPPORTUNITIES</b> I. Computer Professionals - Computer Manager, System Analyst, Programmers II. Computer Education, Computer Engineers and Technicians, and Operators

III. State the Functions of each of the Professional

**6. QUALITIES OF GOOD COMPUTER PROFESSIONALS**

Computer Professional Bodies –

- I. Nigeria Computer Society (NCS)
- II. Institute of Management Information System (IMIS)
- III. Computer Professional Registration Council of Nigeria (CPRN)
- IV. Information Technology Association of Nigeria (ITAN)
- V. Nigeria Internet Group (NIG)

**7. LOGIC CIRCUIT**

- I. Introduction to Logic
- II. Interpreting Logic Gate and Circuit

**8. CONSTRUCTION OF TRUTH TABLES FOR, OR, AND, NOT, ETC.**

**9. COMPUTER GAMES**

- I. Introduction to Computer Game
- II. Types of Computer Games

**10. COMPUTER GAMES (CONTINUATION)**

- I. Advantages of Playing Computer Games
- II. Disadvantages of Playing Computer Games

**11. REVISION**

**12. | 13. EXAMINATION**

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**THIRD TERM**

<b>WEEKS</b>	<b>TOPICS/CONTENTS</b>
<b>1.</b>	<b>COMPUTER VIRUS</b>  I. State the Meaning of Computer Virus  II. Types of Computer Virus – Book Sector, Executable File Virus, Attack on Document  III. Examples of Computer Virus – Trojan Horse, Sleeper, Logic Bomb, Alabama Virus and Christmas Virus
<b>2.</b>	<b>SOURCES OF VIRUSES</b>  I. Infected Diskettes  II. Infected CD – ROMS  III. E – mail  IV. Internet Download  V. Illegal Duplication of Software, etc
<b>3.</b>	<b>VIRUS WARNING SIGNS</b>  I. Slowing Down of Response Time  II. Presence of Tiny Dots  III. Wandering Across the Screen  IV. Incomplete Saving of File  V. Corruption of the System Setup Instructions  VI. Appearance of strange characters.
<b>4.</b>	<b>VIRUS DETECTION (ANTI VIRUS)</b>

- I. Norton Anti Virus
- II. McAfee Virus Scan
- III. Dr. Solomon's Took Kite, etc.

**5. - 12. REVISION AND EXAMINATION**