UNIVERSITY OF EDUCATION, WINNEDA

COUSRE TITLE: METHOD OF TEACHING ICT
COUSRE CODE: ICTW 352
GROUP WORK: ONE (1)
TOPIC: Compare and contrast the course content (based on the themes) of the SHS ICT core and elective subjects

GROUP 1 SUB-GROUP 15

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Comparison of SHS ICT Core and Elective Subjects

Both the **SHS ICT Core** and **SHS ICT Elective** subjects aim to provide students with knowledge and skills in Information and Communication Technology. However, they differ in scope, depth, and focus. Below is a comparison based on their themes:

Theme	ICT Core	ICT Elective
Introduction to ICT	Basic concepts of ICT, introduction to computers, and the information processing cycle.	More advanced concepts, including Information Systems, Digital Technology Culture, and their impact on society.
Hardware & Software	Covers basic hardware components, typing, word processing, spreadsheets, and presentation software.	More detailed coverage of hardware, software, PC maintenance, software installation, and data representation.
Word Processing & Spreadsheet	Basic use of Word Processing, Spreadsheets, and Presentation applications.	Expands on desktop publishing, advanced word processing, spreadsheets, and database applications.
Internet & Communication	Introduction to the Internet, using emails, and basic online communication.	Covers Networking, network security, and website design using HTML.
Programming & Development	Not covered in the core syllabus.	Introduces programming, algorithms, flowcharts, software development, and data processing systems.
Data Processing & Databases	Not covered.	Covers database management, creating queries, forms, and reports.
Networking & Data Communication	Basic understanding of how to access information online.	Covers networking concepts, network types, topology, configuration, and data security.
Educational Technology	Not covered.	Covers the use of ICT in education, multimedia, and technology-based learning.
Project-Based Activities	Limited to basic ICT literacy applications.	Includes hands-on projects in desktop publishing, database management, programming, and website design.
Introduction to ICT	Basic concepts of ICT, introduction to computers,	More advanced concepts, including Information

	and the information processing cycle.	Systems, Digital Technology Culture, and their impact on society.
Hardware & Software	Covers basic hardware components, typing, word processing, spreadsheets, and presentation software.	More detailed coverage of hardware, software, PC maintenance, software installation, and data representation.

Key Differences

1. **Depth of Content** – The **ICT Core** subject provides fundamental skills, while the **ICT Elective** explores more advanced ICT topics, including **networking, programming, and database systems**.
2. **Application & Job Readiness** – ICT Core is designed for **general literacy**, whereas ICT Elective prepares students for **careers in ICT** and higher studies.
3. **Practical vs. Theory** – The **ICT Core** syllabus balances theory and practical work (50:50 ratio), whereas the **ICT Elective** places more emphasis on application and hands-on experience (65% application).
4. **Target Audience** – ICT Core is for **all students** to gain ICT literacy, while ICT Elective is for students who want **specialization in ICT**.

Conclusion

In summary, **ICT Core** provides foundational digital literacy for all students, ensuring they can effectively use technology in daily life, academics, and future workplaces. In contrast, **ICT Elective** offers a more in-depth exploration of ICT concepts, equipping students with specialized skills in programming, networking, and system development. While both subjects share common themes, the elective course is more technical and career-focused, preparing students for further studies or professional roles in the ICT field.