

Digital Technologies Scheme of Work

Aligned with NERDC New Curriculum

Class Level: Junior Secondary School (JSS2)

Academic Year: Full Session

First Term Scheme of Work

Week 1: Revision of JSS1 Work - Recall ICT basics, file management, coding, presentations.

Week 2: Computer Hardware (Types & Functions) - Identify input, output, storage, and processing devices.

Week 3: System Software (Operating Systems) - Explain OS functions; differentiate between Windows, Linux, Android.

Week 4: Application Software - Define word processors, spreadsheets, graphics tools; identify uses.

Week 5: Internet Safety & Digital Footprint - Explain cyberbullying, online privacy; safe browsing practices.

Week 6: Intermediate Word Processing - Insert headers/footers, page numbers, and references.

Week 7: Spreadsheet Formulas & Functions - Apply formulas for budgeting, averages, and grades.

Week 8: Graphics Design Basics - Create posters or simple digital artwork using Paint/Canva.

Week 9: Introduction to HTML Basics - Write simple HTML tags (<p>, <h1>,).

Week 10: Careers in ICT (Deep Dive) - Explore ICT careers such as data analyst, web developer.

Week 11-12: Revision & Examination - Review and exams.

Second Term Scheme of Work

Week 1: Revision of First Term Work - Quick recap and quizzes.

Week 2: Computer Networking Basics - Define LAN, WAN, Internet; explain advantages.

Week 3: Data Transmission - Explain wired vs wireless; bandwidth, modem, router.

Week 4: Spreadsheet Charts & Graphs (Advanced) - Use bar charts, line graphs; interpret data visually.

Week 5: Database Concepts - Define records, fields, tables; examples of databases.

Week 6: Practical Database Work - Create simple tables using MS Access/Excel.

Week 7: HTML and Webpage Development - Build a basic webpage with headings, text, and images.

Week 8: Multimedia Tools - Create/edit short video or audio clips.

Week 9: Cybersecurity (Viruses & Anti-Virus Software) - Define malware; explain antivirus functions.

Week 10-12: Project Work + Examination - Hands-on project and assessment.

Third Term Scheme of Work

Week 1: Revision of Second Term Work - Quick recap, quiz.

Week 2: Emerging Tech (AI & IoT) - Define AI, IoT; discuss applications in daily life.

Week 3: Robotics Basics - Describe components; simple block coding commands.

Week 4: Cloud Computing - Define cloud storage/services; give examples (Google Drive).

Week 5: Mobile Apps Development (Introduction) - Explore simple drag-and-drop app builders.

Week 6: Programming with Scratch (Intermediate) - Use variables, conditions, and loops.

Week 7: Digital Ethics & Responsible Technology Use - Explain copyright, plagiarism, digital law.

Week 8: Entrepreneurship in ICT - Discuss online businesses (blogging, freelancing, e-commerce).

Week 9: General Revision - Comprehensive review of the year's work.

Week 10: End-of-Session Examination - Final written + practical exam.