

ICT Training Modules for Educators – Kenya Context

This document outlines a comprehensive ICT training curriculum tailored for educators in Kenya. The modules are designed to support the Competency-Based Curriculum (CBC), align with the Digital Literacy Programme (DLP), and prepare teachers to use technology effectively in their instructional practice.

Module 1: Introduction to ICT & Digital Literacy

- Objectives:
 - Understand the role of ICT in modern education.
 - Familiarize with ICT terms and digital ethics.
- Topics Covered:
 - Basic computer operation and terminology.
 - Introduction to the CBC digital competency strand.
 - Cyber safety and responsible use of ICT.

Module 2: Productivity Tools for Teachers

Objectives:

- Use word processors, spreadsheets, and presentation tools to enhance lesson planning.
- Create assessments and reports using ICT tools.

Topics Covered:

- Microsoft Word / Google Docs for schemes and lesson plans.
- Microsoft Excel / Google Sheets for grading and attendance tracking.
- Microsoft PowerPoint / Google Slides for interactive presentations.

Module 3: Internet and Communication Technologies

Objectives:

- Safely access and use the internet for educational purposes.
- Use email and messaging tools for communication and collaboration.

Topics Covered:

- Internet basics, browsers, and search techniques.
- Setting up and using professional email (Gmail, Yahoo).

Digital collaboration: WhatsApp groups, Google Drive, and Microsoft Teams.

Module 4: Digital Content Creation and Curation

Objectives:

- Create CBC-aligned digital learning materials.
- Source and adapt open educational resources (OER).

Topics Covered:

- Use of Canva, YouTube, and audio tools for classroom media.
- Sourcing content from KICD, TESSA, and UNESCO.
- Basics of image and video editing.

Module 5: ICT Integration in Teaching and Learning

Objectives:

- Apply ICT tools within pedagogy using the TPACK and SAMR models.
- Design ICT-rich lesson plans that support CBC outcomes.

Topics Covered:

- Blended learning models (flipped classroom, online forums).
- Use of tablets and projectors in classroom delivery.
- Differentiated learning using technology.

Module 6: Assessment and Evaluation Using ICT

Objectives:

- Leverage digital tools to evaluate learning progress.
- Create formative and summative assessments using online platforms.

Topics Covered:

- Using Google Forms, Quizziz, and Kahoot.
- Data collection and visualization using Excel.
- Feedback mechanisms using digital tools.

Module 7: Digital Citizenship and Ethics

Objectives:

- Promote safe, respectful, and responsible use of technology.
- Understand data privacy and legal frameworks (e.g., Kenya's Data Protection Act).

Topics Covered:

- Digital rights and responsibilities.
- Cyberbullying and student protection online.
- Local policies: ICT usage policies in schools.

Conclusion

These ICT training modules are essential for equipping Kenyan educators with the skills required to effectively integrate technology into 21st-century teaching. By aligning with national goals such as CBC implementation and DLP, these modules promote sustainable digital transformation in education.