



**UGANDA
COMMUNICATIONS
COMMISSION**

PROPOSED LEARNING OBJECTIVES FOR ICT CLUBS

1. Student ICT help desk (First Term)

- Troubleshooting software problems
- Fixing basic hardware issues
- Student and teacher technical support
- Installation of application software and operating systems e.g. Windows, Linux etc.
- Introduction and installation of Open office software
- Different Storage media
- Burning of data/Music/Videos on CDs or DVDs

2. The Networking and Internet Basics (First Term)

- Basic Concepts of Computer Networks
- Identifying the use of various network equipment i.e. RJ45 cables, switches, routers, etc.
- Connecting a computer to the internet
- Connecting to a computer network
- Fixing internet connectivity issues
- Identifying the IP address of a computer
- Basic use of command prompt e.g. pinging of different IP addresses
- Trouble shooting a computer to identify LAN/Internet faults and how to solve them

3. Internet Services and Applications (Second Term)

- Information Search on the Internet
- Analysis of Information Sources
- Internet Services including use of email services
- Streaming Technology on the Internet
- E-learning and Introduction to MOOCs
- Online Entertainment

- Impact of ICT on the Society
- Use of social media(Skype, Twitter, Facebook, etc..)

4. Using Web Authoring Tools (Second Term)

- Constructing Simple Web Pages
- Constructing Lists and Tables
- Manipulating Frames
- Embedding Multimedia Elements
- Using Style Sheets
- Creating Fill-out Forms
- Manipulating Browser Windows
- Creating Special Effects
- Publishing a Web Site
- Exercises and Discussion of HW

5. Other Club Activities (Third Term)

- School computer science magazine
- Communication and Presentation skills
- Introduction to software development
 - Basic programming in either C, C++, Java, Python etc.
 - Basics of Android and IOS
- Digital Editing
 - Avatar and animation creation
 - Design brochures and invoices
 - Technology bulletin board and school news editing
 - Digital story making
- Blogging
- Note: Students should be informed of educational websites offering free online courses that can improve their ICT skills. Such websites include;
<http://mooc.org/>
<https://www.edx.org/>