*NB: This is a sample scheme for Competency Based Teaching & Learning for ICT S4 Term 1. Feel free to edit, customize and improve as appropriate. For sample schemes of other classes, visit* [*www.sharebility.net*](http://www.sharebility.net)

**SCHOOL:** …………………………………………………………………………………………………………………………….

**ICT**

**S4**

**MUKALELE ROGERS**

**SHAREBILITY UGANDA HIGH SCHOOL**

**NAME OF TEACHER:** …………………………………………………………… **CLASS:**……….. **SUBJECT:** ………….

**TERM: ONE THEME: PUBLICATIONS** **TOPIC: WEB DESIGN PERIODS: 32 (8 WEEKS)**

**Competency**: The learner uses a web authoring software to design and publish personal, family and company websites.

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| **WEEK: 1** | | | **TOPIC: WEB DESIGN** | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| a. explain the concept of web designing. (k, u, v). | **Knowledge**: Web design concepts/terms and categories of websites (wikis, blogs, content aggregators, etc.)  **Understanding**: Static vs. dynamic pages.  **Values**: Appreciation for web design. | Computer lab, Internet access, projector. | Written summary on types of websites with examples (local sites for Ugandan companies.) | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 5, Section 5.1-5.3.  Elite ICT Senior Four Teachers Guide Chapter 1 |  |

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| WEEK: 2 PERIODS: 4 | | | TOPIC: WEB DESIGN | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| a. explain the concept of web designing. (k, u, v). | **Knowledge**: Basic HTML tags/functions (head, body, paragraphs, headings, br, etc  **Understanding**: HTML document structure.  **Values**: Attention to detail in coding. | Text editor, HTML cheat sheets / guides. | Webpage with basic HTML tags. | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 5, Section 5.7-5.11. |  |

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| WEEK: 3 PERIODS: 4 | | | TOPIC: WEB DESIGN | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| a. explain the concept of web designing. (k, u, v). | **Knowledge**: Advanced HTML tags ie Lists, images, hyperlinks, tables, forms, etc  **Understanding**: Integration of HTML elements.  **Values**: Creative expression. | Code samples, reference guides. | Website with advanced HTML elements. | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 5, Section 5.12-5.20. |  |

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| WEEK: 4 PERIODS: 4 | | | TOPIC: WEB DESIGN | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| a. explain the concept of web designing. (k, u, v). | **Knowledge**: Media elements for websites e.g. images, videos, audios, animations, text.  **Understanding**: Planning's role in web design. Site planning and wireframing.  **Values**: Strategic thinking. | Wireframing tools, sample website plans / proposal documents. | Wireframe and Completed 4-page website plan | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 5, Section 5.6. |  |

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| WEEK: 5 PERIODS: 4 | | | TOPIC: WEB DESIGN | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| b. create a Website (u, v, gs). | **Understanding**: Popular website authoring software in market use.  **Skills**: Installation and setup of development environment for chosen web authoring software e.g WordPress. | Computers, XAMPP, WordPress installation files. | Local development environment set up. | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4  Chapter 5, Section 5.21, Steps 1-3. |  |

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| WEEK: 6 PERIODS: 4 | | | TOPIC: WEB DESIGN | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| b. create a Website (u, v, gs). | **Understanding**: Website Building and Content management.  **Skills**: Creation of pages, posts and menu  **Values**: Content organization. | Localhost with WordPress, guidelines. | Basic website structure with a menu, homepage, about page, Contact page and first blog post | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 5, Section 5.21, Steps 4-6. |  |

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| WEEK: 7 PERIODS: 4 | | | TOPIC: WEB DESIGN | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| b. create a Website (u, v, gs). | Understanding: Advanced Website Features and Customization.  Skills: Enhancing a site with WordPress themes and plugins.  Values: Innovation in web design. | WordPress with themes/plugins. | Fully functional website with a custom theme and essential plugins / functionalities. | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 5, Section 5.21, Steps 7-11. |  |

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| WEEK: 8 PERIODS: 4 | | | TOPIC: WEB DESIGN | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| Integration | Application of all Web Design knowledge and skills in a comprehensive activity. | Assessment rubric, Computers with necessary software | Functional website with design and content. | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 5, Activity of Integration. |  |

**TERM: ONE THEME:** **ICT SAFETY AND ENVIRONMENT**

**TOPIC: ELECTRONIC WASTE MANAGEMENT PERIODS: 16 (4 WEEKS)**

**Competency**: The learner appreciates the importance of proper e-waste management and the roles of different stakeholders.

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| WEEK: 9 PERIODS: 4 | | | TOPIC: ELECTRONIC WASTE MANAGEMENT | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| a) explain the meaning of E- Waste management. (k, u) | Knowledge: Definition of E-Waste. Understanding: The concept of E-Waste management. | Research tools, policy documents, internet access. | * Group presentations on E-Waste definitions and management concepts (donations, electronics recycling, and take-back programs etc) and Importance of proper e-waste management. | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 6, Sections 6.1 - 6.2. |  |

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| WEEK: 10 PERIODS: 4 | | | TOPIC: ELECTRONIC WASTE MANAGEMENT | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| b) apply different approaches in managing electronic waste. (u, s, v) | Understanding: Approaches in managing E-Waste. Skills: Applying management practices. Values: Environmental stewardship. | Case studies, best practice guidelines, class discussions. | * Mind maps from group discussions on E-Waste management approaches. * Development of a school E-Waste guideline | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 6, Sections relevant to management approaches. |  |

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| WEEK: 11 PERIODS: 4 | | | TOPIC: ELECTRONIC WASTE MANAGEMENT | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| c) identify key stakeholders and their roles in e-waste management. (k, u, s, v). | Knowledge: Stakeholders in E-Waste management. Skills: Identifying roles and responsibilities. Values: Community involvement. | Stakeholder profiles, local E-Waste policies, role-play activities. | * Role play on the roles of government, industry and citizens towards proper management of e-waste | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Relevant sections in Chapter 6 for stakeholder roles. |  |

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| WEEK: 12 PERIODS: 4 | | | TOPIC: ELECTRONIC WASTE MANAGEMENT | | |
| LEARNING OUTCOME | LEARNING OUTCOME FOCUS | TEACHING AND LEARNING AIDS | EVIDENCE OF ACHIEVEMENT | REFERENCES | REMARKS |
| Integration | Application of all E-Waste management knowledge and skills in a comprehensive activity. | Assessment rubric, presentation tools. | * Public awareness campaign banner informing the public about e-waste management comprehensive group project. | Competence Based ICT for Uganda by Okolong Sam, Mukalele Rogers and Mpeirwe Nobles Learners Book 3&4 Chapter 6, Activity of Integration. |  |

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***THE COMPONENTS OF A SCHEME OF WORK***

* ***Focus*** *- a leaning toward a particular way of thinking or acting*
* ***Teaching & Learning Aids*** *- What to prepare*
* ***Learning outcome****: a clear and specific statement that describes what a learner is expected to know, understand, or be able to do after completing a particular educational activity or program.*
* ***Evidence of achievement*** *: proof that a learner has successfully met the specified learning outcomes.*

***References -*** *include books, handouts, journals, reports, etc*

*- Should include the name of the author, year and title*

***Remarks -*** *should be made immediately the lesson is complete*

*- indicate whether what was planned for the period has been achieved.*

*- Remarks such as “excellent” “done”, “OK”, “well done”, “taught”, etc. are not useful to the teacher.*