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| **SCLISK SECONDARY SCHOOL**  **SCHEME OF WORK**  **TEACHER’S NAME : SSEFF SUBJECT: CHEMISTRY CLASS : S.2 TERM: II YEAR: 2024** | | | | | | | | |
| **Week** | **Period** | **Theme And Topic** | **Competency** | **Learning Outcomes** | **Teaching/Learning Resources** | **Methodology And Techniques** | **References** | **Remarks** |
| 01 | 02 | Theme: Acids and Alkalis  Topic: SALTS | The learner appreciates that acids and alkalis form salts. | Learners should be able to;   * be familiar with, and be able to carry out neutralisation reactions to prepare salts (k, u, s) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi Livingstone * New certificate chemistry |  |

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| 02 | 02 | Theme: Acids and Alkalis  Topic: SALTS | The learner appreciates that acids and alkalis form salts. | Learners should be able to;   * Know and appreciate the uses of common salts in everyday life (k, s) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi Livingstone * New certificate chemistry |  |

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| 03 | 02 | Theme: THE PERIODIC TABLE  Topic: THE PERIODIC TABLE | The learner investigates the diversity of the elements in the Periodic Table. | Learners should be able to;   * understand that elements can be grouped into metals and non- metals and relate the physical properties of metals and non-metals to their uses (k, u, s) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi Livingstone * New certificate chemistry |  |

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| 04 | 02 | Theme: THE PERIODIC TABLE  Topic: THE PERIODIC TABLE | The learner investigates the diversity of the elements in the Periodic Table. | Learners should be able to;   * know that the Periodic Table is a classification of elements according to their atomic or proton number (k) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi Livingstone * New certificate chemistry |  |

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| 05 | 02 | Theme: THE PERIODIC TABLE  Topic: THE PERIODIC TABLE | The learner investigates the diversity of the elements in the Periodic Table. | Learners should be able to;   * relate the arrangement of electrons in the first 20 elements to their positions in the Periodic Table (u, s) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi Livingstone * New certificate chemistry |  |

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| 06 | 02 | Theme: THE PERIODIC TABLE  Topic: THE PERIODIC TABLE | The learner investigates the diversity of the elements in the Periodic Table. | Learners should be able to;   * understand the relationship between the position of elements in groups and the charge on the ions that they form (u) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi Livingstone * New certificate chemistry |  |

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| 07 | 02 | Theme: CARBON IN THE ENVIRONMENT  Topic: CARBON IN THE ENVIRONMENT | The learner investigates the diversity of carbon compounds in the environment. | Learners should be able to;   * understand how and why carbon compounds are used as fuels (k, u) * know and appreciate the difference between renewable and non- renewable fuels and understand that non- renewable fuels are not sustainable (k, u) | * Videos * Charts * Photos * IT resources * Lab apparatus * Chalk board | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi * New certificate chemistry |  |

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| 08 | 02 | Theme: CARBON IN THE ENVIRONMENT  Topic: CARBON IN THE ENVIRONMENT | The learner investigates the diversity of carbon compounds in the environment. | Learners should be able to;   * understand the processes of making charcoal, but recognise that the use of charcoal as a fuel is cheap, efficient , and sustainable only if it is made from wood that can be regrown easily (u, s) * know and appreciate the physical properties and uses of carbon dioxide (k, u) | * Videos * Charts * Photos * IT resources * Lab apparatus * Chalk board | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi * New certificate chemistry |  |

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| 09 | 02 | Theme: CARBON IN THE ENVIRONMENT  Topic: CARBON IN THE ENVIRONMENT | The learner investigates the diversity of carbon compounds in the environment. | Learners should be able to;   * understand how the increase in carbon dioxide in the air can cause the atmosphere and the oceans to get warmer (u) * understand what greenhouse gases are, where they come from, and how they are affecting climate (u) | * Videos * Charts * Photos * IT resources * Lab apparatus * Chalk board | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi * New certificate chemistry |  |

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| 10 | 02 | Theme: CARBON IN THE ENVIRONMENT  Topic: CARBON IN THE ENVIRONMENT | The learner investigates the diversity of carbon compounds in the environment. | Learners should be able to;   * understand the origin of hard water in limestone areas and investigate how it can be softened (u, s) | * Videos * Charts * Photos * IT resources * Lab apparatus * Chalk board | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Chemistry workbooks * Learner’s Books and Teacher’s guide * O’level chemistry by Kaweesi * New certificate chemistry |  |