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| **SCLISK SECONDARY SCHOOL**    **SCHEME OF WORK TEACHER’S NAME : SSEFF SUBJECT: CHEMISTRY CLASS : S.1 TERM: II YEAR: 2024** | | | | | | | | |
| **Week** | **Period** | **Theme And Topic** | **Competency** | **Learning Outcomes** | **Teaching/Learning Resources** | **Methodology And Techniques** | **References** | **Remarks** |
| 01 | 02 | Theme: Particle nature of matter  Topic: USING MATERIALS | The Learner explores how materials are used and relates these uses to their molecular structures | Learners should be able to;   * know that materials used in everyday life can be classified into natural and synthetic group, and how this affects their use in everyday life (s,k) * understand how the physical properties of polymers determine uses in everyday life such as in building, as fabrics, fabricating utensils used in homes, etc. (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 |  |
| 02 | 02 | Theme: Particle nature of matter  Topic: USING MATERIALS | The Learner explores how materials are used and relates these uses to their molecular structures | Learners should be able to;   * know about the molecular structures of materials and relate this to their use (k, u) * know that polymers are useful long chain molecules made by both natural and synthetic processes (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 |  |
| 03 | 02 | Theme: Particle nature of matter  Topic: USING MATERIALS | The Learner explores how materials are used and relates these uses to their molecular structures | The learner should understand;   * understand how the physical properties of polymers determine uses in everyday life such as in building, as fabrics, fabricating utensils used in homes, etc. (k, u) * know how common materials can pollute environment and which materials can be recycled(k) | * 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 |  |

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| 04 | | 02 | Theme: Particle nature of matter  Topic: USING MATERIALS | | | The Learner explores how materials are used and relates these uses to their molecular structures | | The learner should be able to;   * understand that heating changes the structure and properties of some materials (u, s) * Activity of integration | | * 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 | | |  |
| **Week** | **Period** | | | **Theme And Topic** | **Competency** | | **Learning Outcomes** | | **Teaching/Learning Resources** | | **Methodology And Techniques** | | **References** | | **Remarks** |
| 05 | 02 | | | Theme: Temporary and permanent changes to materials  Topic: TEMPORARY AND PERMANENT CHANGES | The learner recognizes occurrence of temporary and permanent changes, and their importance in everyday life. | | 1. understand that many substances undergo permanent changes when they are heated or burnt, forming new materials, while other substances change temporarily (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 | |  |
| 06 | 02 | | | Theme: Temporary and permanent changes to materials  Topic: TEMPORARY AND PERMANENT CHANGES | The learner recognizes occurrence of temporary and permanent changes, and their importance in everyday life. | | The learner should;   * recognise temporary (reversible) and permanent (irreversible) changes to matter under different conditions (u) * Activity of integration | | * 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 | |  |
| 07 | 02 | | | Theme: Temporary and permanent changes to materials  Topic: MIXTURES, ELEMENTS AND COMPOUNDS | The learner recognises the characteristics of mixtures and compounds. | | The learner should;   * know the criteria for determining whether a substance is pure or not (k, s) * understand that substances are either elements, mixtures or compounds (u) | | * Videos * Charts * Photos * IT resources. * Relevant 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 | |  |
| 08 | 02 | | | Theme: Temporary and permanent changes to materials  Topic: MIXTURES, ELEMENTS AND COMPOUNDS | The learner recognises the characteristics of mixtures and compounds. | | The learner should;   * identify different mixtures and devise ways of separating pure substances from them (u, s) | | * Videos * Charts * Photos * IT resources. * Relevant 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 | |  |
| 09 | 02 | | | Theme: Temporary and permanent changes to materials  Topic: MIXTURES, ELEMENTS AND COMPOUNDS | The learner recognises the characteristics of mixtures and compounds. | | The learner should;   * know that, when added together, some liquids mix while others form two layers (k) | | * Videos * Charts * Photos * IT resources. * Relevant 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 | |  |
| 10 | 02 | | | Theme: Temporary and permanent changes to materials  Topic: MIXTURES, ELEMENTS AND COMPOUNDS | The learner recognises the characteristics of mixtures and compounds. | | The learner should;   * know that, when added together, some liquids mix while others form two layers (k) | | * Videos * Charts * Photos * IT resources. * Relevant 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 | |  |