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| **SCLISK SECONDARY SCHOOL**    **SCHEME OF WORK TEACHER’S NAME : SSEFF SUBJECT: CHEMISTRY CLASS : S.3 TERM: II YEAR: 2024** | | | | | | | | |
| **Week** | **Period** | **Theme And Topic** | **Competency** | **Learning Outcomes** | **Teaching/Learning Resources** | **Methodology And Techniques** | **References** | **Remarks** |
| 01 | 02 | Theme: Using Equations in Chemistry  Topic: FORMULAE, STOICHIOMETRY AND MOLE CONCEPT | The learner uses formulae and equations to determine quantities of matter. | Learners should be able to;   * understand the concepts of relative atomic mass and relative molecular mass (k, 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 |  |
| 02 | 02 | Theme: Using Equations in Chemistry  Topic: FORMULAE, STOICHIOMETRY AND MOLE CONCEPT | The learner uses formulae and equations to determine quantities of matter. | Learners should be able to;   * analyse the relationship between the number of moles and the number of particles (k, 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 |  |
| 03 | 02 | Theme: Using Equations in Chemistry  Topic: FORMULAE, STOICHIOMETRY AND MOLE CONCEPT | The learner uses formulae and equations to determine quantities of matter. | Learners should be able to;   * analyse the relationship between the number of moles of a substance and its mass (k, 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 |  |
| 04 | 02 | Theme: Using Equations in Chemistry  Topic: FORMULAE, STOICHIOMETRY AND MOLE CONCEPT | The learner uses formulae and equations to determine quantities of matter. | Learners should be able to;   * analyse the relationship between the number of moles of a gas and its volume (k, u) * synthesise chemical formulae (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 |  |
| 05 | 02 | Theme: Using Equations in Chemistry  Topic: FORMULAE, STOICHIOMETRY AND MOLE CONCEPT | The learner uses formulae and equations to determine quantities of matter. | Learners should be able to;   * interpret chemical equations (k, u) * practise scientific attitudes and values in investigating matter (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 |  |
| 06 | 02 | Theme: STRUCTURES AND BONDS  Topic: STRUCTURES AND BONDS | The learner appreciates how atoms are composed of fundamental particles, and how molecules and compounds are composed of atoms. | Learners should be able to;   * understand that atoms are the building blocks from which all matter is made (u) * understand the terms: ‘element’, ‘atom’, ‘molecule,’ and ‘compound’, and appreciate how they are related (u) * understand how atoms of different elements differ in their subatomic structure (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 |  |
| 07 | 02 | Theme: STRUCTURES AND BONDS  Topic: STRUCTURES AND BONDS | The learner appreciates how atoms are composed of fundamental particles, and how molecules and compounds are composed of atoms. | Learners should be able to;   * appreciate that atoms are made up of subatomic particles and know the properties of these particles (k, u) * understand the terms relative atomic mass, proton number, nucleon number and isotopes (u, s) * understand and appreciate that the atoms of elements join together to form compounds (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 |  |
| 08 | 02 | Theme: STRUCTURES AND BONDS  Topic: STRUCTURES AND BONDS | The learner appreciates how atoms are composed of fundamental particles, and how molecules and compounds are composed of atoms. | Learners should be able to;   * understand the processes involved in the formation of ionic, covalent and metallic bonds (u) * recognise the difference in the physical properties of ionic and covalent compounds and relate them to their bonding (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 |  |
| 09 | 02 | Theme: FUELS AND ENERGY  Topic: FOSSIL FUELS | The learner understands the origins of fossil fuels and appreciates their importance as an energy resource. | Learners should be able to;   * understand the types and origins of fossil fuels and why they can be used as sources of energy and useful materials. (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 |  |
| 10 | 02 | Theme: FUELS AND ENERGY  Topic: FOSSIL FUELS | The learner understands the origins of fossil fuels and appreciates their importance as an energy resource. | Learners should be able to;   * understand the types and origins of fossil fuels and why they can be used as sources of energy and useful materials. (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 |  |