|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SCLISK SECONDARY SCHOOL**    **SCHEME OF WORK TEACHER’S NAME : SSEFF SUBJECT: CHEMISTRY CLASS : S.4 TERM: II YEAR: 2024** | | | | | | | | |
| **Week** | **Period** | **Theme And Topic** | **Competency** | **Learning Outcomes** | **Teaching/Learning Resources** | **Methodology And Techniques** | **References** | **Remarks** |
| 01 | 02 | Theme: Thermochemistry  Topic: ENERGY CHANGES DURING CHEMICAL REACTION | The learner appreciates that in any chemical reaction, energy --- usually in the form of heat --- is lost or gained. | Learners should be able to;   * recognise and appreciate the difference between endothermic and exothermic reactions and understand that substances store chemical energy in their bonds (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: Thermochemistry  Topic: ENERGY CHANGES DURING CHEMICAL REACTION | The learner appreciates that in any chemical reaction, energy --- usually in the form of heat --- is lost or gained. | Learners should be able to;   * understand and appreciate the importance of exothermic and endothermic reactions in our everyday lives (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 |  |
| 03 | 02 | Theme: Thermochemistry  Topic: ENERGY CHANGES DURING CHEMICAL REACTION | The learner appreciates that in any chemical reaction, energy --- usually in the form of heat --- is lost or gained. | Learners should be able to;   * recognise that the burning of fuels is an exothermic process producing useful energy (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 |  |
| 04 | 02 | Theme: Thermochemistry  Topic: ENERGY CHANGES DURING CHEMICAL REACTION | The learner appreciates that in any chemical reaction, energy --- usually in the form of heat --- is lost or gained. | Learners should be able to;   * understand the concept of heat of reaction and interpret energy profiles of chemical reactions (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 |  |
| 05 | 02 | Theme: Consumable Chemicals  Topic: CHEMICALS FOR CONSUMERS | The learner appreciates that the products used in everyday life exist as chemicals and some of them can be prepared at home or in the laboratory. | Learners should be able to;   * analyse properties of soap and detergent and compare and contrast the effectiveness of their cleansing action (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 |  |
| 06 | 02 | Theme: Consumable Chemicals  Topic: CHEMICALS FOR CONSUMERS | The learner appreciates that the products used in everyday life exist as chemicals and some of them can be prepared at home or in the laboratory. | Learners should be able to;   * evaluate the use of food additives (k, u, s) * understand the importance of chemicals in medicine (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 |  |
| 07 | 02 | Theme: Consumable Chemicals  Topic: CHEMICALS FOR CONSUMERS | The learner appreciates that the products used in everyday life exist as chemicals and some of them can be prepared at home or in the laboratory. | Learners should be able to;   * appreciate the importance of the chemical industry and its contribution to our lives (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 |  |
| 08 | 02 | Theme: Consumable Chemicals  Topic: NUCLEAR PROCESSES | The learner understands atomic structure and the nuclear processes by which energy is released. | Learners should be able to;   * understand atomic structure, the processes of nuclear fission and fusion, the use we can make of them, and the dangers associated with them (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 |  |
| 09 | 02 | Theme: Consumable Chemicals  Topic: NUCLEAR PROCESSES | The learner understands atomic structure and the nuclear processes by which energy is released. | Learners should be able to;   * understand the spontaneous and random nature of nuclear decay and interpret decay data in terms of half- life (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 |  |
| 10 | 02 | Theme: Consumable Chemicals  Topic: NUCLEAR PROCESSES | The learner understands atomic structure and the nuclear processes by which energy is released. | Learners should be able to;   * understand and appreciate that there are significant social, political, and environmental dimensions associated with use of nuclear power (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 |  |