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| **SCLISK SECONDARY SCHOOL**    **SCHEME OF WORK TEACHER’S NAME : SSEFF SUBJECT: BIOLOGY 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:  Nutrition in plants and animals  Topic: NUTRITION TYPES AND NUTRIENT COMPOUNDS | The learner understands that organisms have different nutritional requirements, and that humans have different requirements; depending on age and other factors. | Learners should be able to;   * understand the term nutrition (k, u) * identify the food nutrients, their sources, and importance to humans (u) * perform food tests for various nutrients (only quality testing required) (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 Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 02 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION TYPES AND NUTRIENT COMPOUNDS | The learner understands that organisms have different nutritional requirements, and that humans have different requirements; depending on age and other factors. | Learners should be able to;   * appreciate the importance of a diet containing the different nutrients (u, v) * appreciate the concept of balanced diet in relation to age, sex, and an individual’s activity (u, v) | * 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 Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 03 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION TYPES AND NUTRIENT COMPOUNDS | The learner understands that organisms have different nutritional requirements, and that humans have different requirements; depending on age and other factors. | Learners should be able to;   * appreciate the causes and effects of nutrient deficiency in humans including diseases related to malnutrition (u, s) * calculate body mass index (BMI) and explain its implication (s, v) | * 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 Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 04 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION TYPES AND NUTRIENT COMPOUNDS | The learner understands that organisms have different nutritional requirements, and that humans have different requirements; depending on age and other factors. | Learners should be able to;   * identify the major plant mineral nutrients (N, P, K, Mg, Ca, S, Mg), their role, and the symptoms of deficiencies (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 Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 05 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION IN GREEN PLANTS | The learner understands that plants are autotrophic, carrying out photosynthesis to make complex food molecules from light energy, water, and carbon dioxide. | Learners should be able to;   * understand the meaning of autotrophic and heterotrophic nutrition (k) * derive the meaning of the term photosynthesis and understand the process (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 Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 06 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION IN GREEN PLANTS | The learner understands that plants are autotrophic, carrying out photosynthesis to make complex food molecules from light energy, water, and carbon dioxide. | Learners should be able to;   * perform experiments to investigate the factors that affect the rate of photosynthesis (s, gs) * appreciate the structures and adaptations that enable a leaf to carry out the process of photosynthesis (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 Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 07 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION IN MAMMALS | The learner knows that animals are heterotrophic; obtaining their nutrients from existing plant or animal sources | Learners should be able to;   * understand the role of enzymes in influencing life processes; and appreciate that the working of enzymes may be affected by different factors (No details of lock and key mechanism required) (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 Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 08 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION IN MAMMALS | The learner knows that animals are heterotrophic; obtaining their nutrients from existing plant or animal sources | Learners should be able to;   * conduct experiments on and explain the effects of pH and temperature on enzyme activity (s, gs) * understand the effect of pH and temperature on enzyme activity (u) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Biology workbooks * Learner’s Books and Teacher’s guide * O’level Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 09 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION IN MAMMALS | The learner knows that animals are heterotrophic; obtaining their nutrients from existing plant or animal sources | Learners should be able to;   * know and identify different types of mammalian teeth, and relate their structure and position in the jaw to diet (k, u, s) * understand the importance of oral hygiene, and describe good practice in caring for teeth and gums in humans (u, v) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Biology workbooks * Learner’s Books and Teacher’s guide * O’level Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |
| 10 | 02 | Theme:  Nutrition in plants and animals  Topic: NUTRITION IN MAMMALS | The learner knows that animals are heterotrophic; obtaining their nutrients from existing plant or animal sources | Learners should be able to;   * appreciate the structure of the different parts of the mammalian alimentary canal, and its role in the digestion of food (k, u) * understand how the end products of digestion are absorbed and assimilated (u) | * Videos * Charts * Photos * IT resources * Lab apparatus | * Guided group discussion * Guided Research * Guided Discovery and Explanation * Brainstorming | * Teacher’s and learner’s notes * Biology workbooks * Learner’s Books and Teacher’s guide * O’level Biology by Rubahamya * Introduction to Biology * O’level by Batwala |  |