

TECHNICAL DEPARTMENT

SCHEMES OF WORK

FORM TWO AGRICULTURE SCHEMES OF WORK

SUBJECT: AGRICULTURE

TERM 1 – 2025

GENERAL OBJECTIVES

By the end of the year the learner should be able to:

- 1) develop an understanding of agriculture and its importance to the family and the nation
- 2) promote interest in agriculture as an industry and create awareness of opportunities existing in agriculture and related sectors.
- 3) demonstrate that farming is a dignified and profitable occupation
- 4) enhance skills needed in carrying out agricultural practices
- 5) provide a background for further studies in agriculture
- 6) develop self-reliance, resourcefulness and problem-solving abilities in agriculture
- 7) develop occupational outlook in agriculture
- 8) enable schools to take an active part in national development through agricultural activities
- 9) create awareness of the role of agriculture in industrial and technological development
- 10) enhance understanding of the role of technology and industrialization in agricultural development
- 11) promote agricultural activities which enhance environmental conservation
- 12) promote consciousness of health promoting activities in agricultural production.

REFERENCES:

KLB Secondary Agriculture

Teacher's Guide

WK NO	L/ NO.	TOPIC/ SUBTOPIC	LESSON / SPECIFIC OBJECTIVES	TEACHING / LEARNING ACTIVITIES	MATERIALS / RESOURCES	REF.	REMARKS
1	1	INORGANIC FERTILIZERS Macro-nutrients. Nitrogen.	<i>BY THE END OF THE LESSON THE LEARNER SHOULD BE ABLE</i> To identify plants macronutrients. To classify macro-nutrients as fertilizers and liming elements. To identify role of nitrogen in plants. To state symptoms of nitrogen deficiency in plants	List down macro- elements. Q/A: Definition of an ion; expose ionic form of elements. Discuss, giving examples the role of nitrogen and the deficiency symptoms.	 Yellowish-green / brown leaves.	KLB BK II 1-2	
	2	Phosphorus. Potassium.	To identify role of phosphorus in plants. To state symptoms of phosphorus deficiency in plants. To identify role of potassium in plants. To state symptoms of potassium deficiency in plants.	Discuss, giving examples the role of phosphorus and the deficiency symptoms of phosphorus. Discuss, giving examples the role of potassium and the deficiency symptoms.	Purple flowers. Curled leaves, Chlorotic leaves.	KLB BK II Pgs 2-3	
	3	Magnesium. Calcium.	To identify role of magnesium in plants. To state symptoms of magnesium deficiency in plants. To identify role of calcium in plants. To state symptoms of calcium deficiency in plants.	Discuss, giving examples the role of magnesium and the deficiency symptoms. Discuss, giving examples the role of calcium and the deficiency symptoms.	Thin stems with reduced nodulation. Tomatoes with blossom end rot.	Pgs 4-5	

2	1	<p>Sulphur.</p> <p>Carbon, Hydrogen & Oxygen.</p>	<p>To identify role of sulphur in plants. To state symptoms of sulphur deficiency in plants.</p> <p>To explain the photosynthetic role of carbon, hydrogen and oxygen.</p>	<p>Discuss, giving examples the role of sulphur and the deficiency symptoms.</p> <p>Briefly highlight the role of carbon, hydrogen and oxygen in photosynthesis.</p>		Pg 5	
	2	Micro-nutrients.	<p>To identify plants micronutrients and state their roles. To identify deficiency symptoms of minor nutrients in plants.</p>	<p>Q/A: Compare micronutrients with macronutrients hence define a micronutrient. Exposition: Teacher gives examples of micronutrients and exposes their roles and deficiency symptoms.</p>	Chart: Macronutrients, micronutrients, their ionic forms and deficiency symptoms.	Pg 6	
	3	<p>Classification of Fertilizers.</p> <p>Straight and compound fertilizers.</p>	<p>To identify criteria used to classify inorganic fertilizers.</p> <p>To distinguish between straight and compound fertilizers. To give examples of: - Straight fertilizers. - Compound fertilizers.</p>	<p>Teacher briefly exposes the classification criteria.</p> <p>Detailed discussion. Teacher presents the fertilizers and helps students to identify them.</p>	CAN ASN SA DAP, MAP, Urea.	Pg 8	
3	1	Nitrogenous fertilizers.	To state characteristics of nitrogenous fertilizers.	<p>Group experiments- Dissolving nitrogenous fertilizers in water. Discussion: Other characteristics of nitrogenous fertilizers. Giving examples of nitrogenous fertilizers.</p>	<p>(NH₄)₂ SO₄</p> <p>ASN</p>	Pg 9-10	

GODLITE ONLINE UPDATED SCHEMES OF WORK 2025

We are delighted to inform you that our crafted Schemes of Work for the year 2025 are now available exclusively on our website www.goldlitekcserevision.co.ke. All are available including, PP1 & PP2, Grade 1 to Grade 8 and Grade 9 (New!) and Form 2 to Form 4

What Sets Our Schemes of Work Apart?

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- Comprehensive Coverage: Our Schemes of Work encompass a wide range of subjects and topics, ensuring a holistic approach to education.
- User-Friendly Interface: Navigating through the library is a breeze, allowing you to quickly find and download the materials you need.

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We believe that empowered teachers empower students. By providing you with the tools you need, we aim to contribute to the success of every lesson, every day. Thank you for choosing GOLDLITE ONLINE SERVICES as your educational partner. We look forward to being a part of your continued success.

Warm regards,

GODLITE ONLINE TEAM

Feel free to reach out if you have any questions or need assistance. We're here to support you!

Note that:

We have used various books including KLB, JKF, Tusome, Oxford, Longhorn, Moran Publishers, Mountain Top, NPPE, New Beginning (I.R.E), EAEP, Queenex, Kiswahili Mufti, Dadisi, Trendy, Inventor and many more.

FOR COMPLETE AND UPDATED SCHEMES OF WORK FOR ALL SUBJECTS F2-F4 CONTACT US ON

0724351706 OR 0726960003 OR VISIT OUR WEBSITE www.goldlitekcserevision.co.ke

OUR SCHEMES USES M.O.E RECOMMENDED COURSE BOOKS. LANGUAGES ARE ALSO UPDATED WITH NEW SETBOOKS

WE ALSO HAVE:

- ✓ **UPTO DATE LESSON NOTES**
- ✓ **LESSON PLANS**
- ✓ **CUSTOMIZED RECORDS OF WORK**
- ✓ **TERMLY EXAMS**
- ✓ **TOPICAL EXAMS AND MANY MORE**

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