

Name: _____

Date: _____

THIRD TERM E-LEARNING NOTE**SUBJECT: AGRICULTURAL SCIENCE****CLASS: SS1****SCHEME OF WORK**

WEEK	TOPIC
1	Simple farm tools
2	Farm power
3	Farm mechanization
4 – 5	Anatomy and physiology of farm animals
6 – 7	Reproduction in farm animals
8	Environmental physiology
9 – 10	Livestock management (pig and cattle)
11	Revision
12	Examination

REFERENCES

- Essential Agricultural Science for Senior Secondary Schools by O. A. Iwena
- Agricultural Science WAEC PQ
- Practical approach to animal production and health by Akinlade J. A. et al.
- General outlook to livestock production by Akinlade J. A. et al.
- Essential biology for Senior Secondary Schools by M. C. Michael
- Wikipedia

WEEK ONE**SIMPLE FARM TOOLS****CONTENT**

- Examples of farm tools
- Description of simple farm tools
- Functions of tools
- Maintenance of simple farm tools

Farm tools are simple handy tools constructed by the farmer or local crafts men to carry out some basic farming operations. Farmers who grow crops and keep animals usually use some simple tools to help make their work easier and faster.

EXAMPLES OF FARM TOOLS

1.	Cutlass	2.	Hoe	3.	Bolt and nut	4.	Shovel	5.	Garden fork
6.	Hand fork	7.	Axe	8.	Screw driver	9.	Digger	10.	Head pan
11.	Spanner	12.	Mallet	13.	Budding knife	14.	Plier	15.	Harvesting knife
16.	Crowbar	17.	Sickle	18.	Wheel barrow	19.	Shear	20.	Emasculator
21.	Mattock	22.	Hammer	23.	Watering can	24.	Chisel	25.	Pruning saw
26.	Secateurs	27.	Rake	28.	Hand trowel	29.	Spade	30.	Manure drag

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PRACTICAL/PROJECT: GET A DRAWING BOOK TO DRAW ALL 30 OF THE HIGHLIGHTED FARM TOOLS, WRITE A SHORT NOTE TO DESCRIBE THEM, STATE WAY(S) OF MAINTAINING THEM AND STATE THEIR USE(S).

DESCRIPTION AND FUNCTIONS OF SOME SELECTED TOOLS

1. Cutlass: This is a short metal blade tool some with curve end and a wooden or handle made of rubber. The cutlass is commonly used for land clearing, planting, weeding, and for cutting small trunks and pegs.
2. Spade & Shovel: this has a long wooden handle ending with flat metal blade that is sharp at one end and the other D-shaped to allow for proper handling. It is used for digging the soil, spreading manure, turning and mixing the soil. Shovel blade is folded to give a scoop shape.
3. Garden Fork: this tool has four prongs or teeth made of hard metal that tapers to a point. The hard metal is about 20cm long, mounted on a long wooden handle of about 70-80cm in length. It is used mainly for digging, loosening, breaking the soil.
4. Secateurs: is a scissors like shaped tool consisting of two short metal blades one with a concave curve and the other with a convex curve joined at a pivot with bolt and nut. It possesses two metal short wooden or metal handles with a spring in between. Mainly used for preparing stem cutting and pruning small branches of hard wooded plants for watering crops especially seedlings and flowers.
5. Emasculator: this consists of a pair of powerful pincers with plastic or metal handles. It is use to castrate male animals by rushing their spermatid cord

GENERAL MAINTENANCE OF FARM TOOLS

Farm tools are made of metal or wood which are strong, these tools still need very good care so that they are always suitable for use in farming. The following are ways to ensure that they are used optimally:

1. Keep in a store free of termites (for tools with wooden parts).
2. Oil or grease metal parts
3. If it is to be...