

**FOR MORE CUSTOMIZED SCHEMES OF WORK CALL OR WHATSAAP SIR DERRICK ON 0701256166**

# **SCHEMES OF WORK 2022**

## **AGRICULTURE FORM 1**

### **TERM 1-3**

**FOR MORE CUSTOMIZED SCHEMES OF WORK CALL OR WHATSAAP SIR DERRICK ON 0701256166**

## SCHEME OF WORK FORM ONE AGRICULTURE TERM ONE 2022

| WK NO | L/ NO | TOPIC/ SUBTOPIC                                     | LESSON / SPECIFIC OBJECTIVES   | TEACHING / LEARNING ACTIVITIES  | MATERIALS / RESOURCES  | REF.  | REM. |
|-------|-------|---|--|---|--|---|------|
| 1     | 1     | <b>INTRODUCTION TO AGRICULTURE</b><br>Introduction. | <b>By the end of the lesson, the learner should be able:</b><br><br>To define Agriculture as an art and a science. | Brainstorming:<br>Teacher elicits the definition of Agriculture.  | Chart-<br>Branches of Agriculture.                           | <i>KLB</i><br><i>Pages 1-3</i><br><br><i>LONGHORN</i><br><i>Pages 1-2</i>                                   |      |
|       | 2     | Branches of Agriculture.                            | To describe the branches of Agriculture.   | Discussion- Branches of Agriculture: crop farming, livestock farming, Agricultural Economics, Agriculture Engineering, e.t.c. | Livestock / Crop products.                                   | <i>CERT.AGRIC</i><br><i>Pages 1-3</i>   |      |
|       | 3     | Importance of Agriculture.                          | To explain the importance of Agriculture.  | Brain storming, guided questions and detailed discussion.   | Livestock / Crop raw produce, industrial goods, flow charts. | <i>CERT.AGRIC</i><br><i>Pages 3-4.</i>  |      |
| 2     | 1     | Problems facing Agriculture.                        | To state and explain problems facing Agriculture and suggest possible solutions.                                   | Brain storming, guided questions and detailed discussion.   |  | <i>CERT.AGRIC</i><br><i>Page 4.</i>   |      |
|       | 2     | Farming Systems.                                    | To define a farming system.<br>To identify factors that affect choice of a farming system.                         | Teacher exposes the meaning of a farming system.<br>Discussion on factors that affect choice of a farming system.             |  | <i>KLB</i><br><i>Pages 5-6</i><br><i>LONGHORN</i><br><i>Pages 6-7</i><br><i>CERT.AGRIC</i><br><i>Page 5</i> |      |
|       | 3     | Farming systems in Kenya.                           | To describe various farming systems practised intensively.   | Q/A & Discussion:<br>- Arable farming.<br>- Small-scale farming.  |  | <i>LONGHORN</i><br><i>Pages 7-9</i>   |      |

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| 3 | 1 | Intensive farming systems.  | To state advantages and disadvantages of each type of intensive farming.   | - Subsistence farming<br>Q/A & Discussion:<br>-commercial farming.<br>-Intercropping.                                       |  | <i>CERT.AGRIC</i><br><i>Page 6.</i>  |  |
|   | 2 | Extensive farming systems.<br><br>Advantages and disadvantages of extensive farming system. | To describe various farming systems practised extensively.<br><br>To state advantages and disadvantages of each type of extensive farming.   | Discussion:<br>- Dairy farming<br>- Large-scale farming<br>- Ranching<br>- Plantation farming.<br><br>Q/A and explanations. | Relevant photographs: plantations, ranches, dairy farms.                                   | <i>KLB</i><br><i>Pages 5-6.</i><br><br><i>LONGHORN</i><br><i>Page 7.</i>           |  |
|   | 3 | Methods of farming.<br><br>Mixed farming.   | To define mixed farming.<br><br>To state advantages and disadvantages of mixed farming.  | Probing questions.<br>Discussion- factors favouring / militating against mixed farming.                                     |  | <i>KLB</i><br><i>Pages 6,7,&amp; 8</i><br><br><i>LONGHORN</i><br><i>Pages 9-13</i> |  |
| 4 | 1 | Nomadic Pastoralism & Shifting cultivation. .   | To define nomadic pastoralism.<br>To state advantages and disadvantages of nomadic pastoralism.<br>To define shifting cultivation.<br>To state advantages and disadvantages of shifting cultivation. | Probing questions.<br>Discussion- factors favouring / militating against pastoralism.<br>Exposition;<br>Discussion.         |  | <i>CERT.</i><br><i>AGRIC</i><br><i>Pages 7-9</i>                                   |  |
|   | 2 | Organic farming.<br><br>Agroforestry.   | To define organic farming.<br>To state advantages and disadvantages of organic farming.<br>To define agroforestry.   | Probing questions.<br>Discussion: factors favoring / militating against organic farming / organic farming.                  | Specimens of organic manures.<br>Specimens of agroforestry trees,<br>Charts & photographs. | <i>CERT.</i><br><i>AGRIC</i><br><i>Pages 8-9</i>                                   |  |

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|   | 3 | FACTORS INFLUENCING AGRICULTURE<br><br><i>Human factors.</i> | To explain the human factors influencing Agriculture.  | Detailed discussion and probing questions on: Health ( <i>emphasis on HIV/AIDS</i> ), education level, communication, economic development, marketing, government policies, e.t.c.  | Data on HIV/AIDS.                                  | <i>K.L.B.<br/>Pgs 11- 15</i>   |  |
| 5 | 1 | <i>Climatic factors.</i><br><br>- Rainfall.                  | To discuss at length influence of rainfall on Agriculture.<br>To identify farming practices that:<br>- Reduce effects of water shortage.<br>- Overcome effects of excess water.  | Q/A and explanations about: rainfall i.e. lack of rainfall, excess rainfall, rainfall intensity, distribution and reliability.<br>Exposition and explanations.  | Weather station instruments:<br><i>rain gauge.</i> | <i>KLB<br/>Page 18<br/>CERT.AGRIC<br/>C<br/>Page13<br/>LONGHORN<br/>Pgs 24-32.</i>               |  |
|   | 2 | - Temperature.   | To define cardinal temperature range, maximum and minimum temperature, optimum temperature.<br>To identify factors that cause temperature variations.<br>To explain ways in which plants/ animals overcome extreme temperatures. | Exposition and explanation.<br>Discussion and Q/A on; altitude, latitude, seasons, winds, clouds, slope, e.t.c.<br>Students highlight ways in which plants / animals overcome extreme temperatures, then the teacher delves into the details. | Thermometers.                                      | <i>KLB<br/>Page 19.<br/><br/>CERT.<br/>AGRIC<br/>Page 16.<br/><br/>LONGHORN<br/>Pages 24-32.</i> |  |
|   | 3 | <b>HALF TERM BREAK</b>                                       |  |   |  |  |  |
| 6 | 1 | - Light.   | To state functions of light.<br>To describe characteristics of light.  | Q/A: Functions of light.<br>Exposition & Discussion: Light intensity, duration and wavelength.  |  | <i>KLB<br/>Page 21.<br/>CERT.<br/>AGRIC<br/>Page 18.<br/>LONGHORN<br/>Pgs 24-32.</i>             |  |

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|   | 2 | - Wind and Relative Humidity.      | To identify effects of wind on agricultural production.<br>To explain relation between relative humidity and rate of evapotranspiration. | Q/A: Uses and nuisances of wind.<br>Exposition: Meaning of relative humidity.<br>Discussion: Relative humidity v/s rate of evapotranspiration. |   | <i>KLB</i><br><i>Page20.</i><br><br><i>CERT.</i><br><i>AGRIC</i><br><i>Page 20.</i>   |  |
|   | 3 | Biotic factors.                    | To explain effects of biotic factors on Agriculture.   | Q/A and explanations on effects of: pests, diseases, pathogens, predators, pollinators, bacteria, e.t.c. on Agriculture.                       | Wall charts / Sample pests and pollinators.                         | <i>KLB</i><br><i>Pages 16-17.</i><br><i>CERT. AGRIC</i><br><i>Pages 20-21.</i><br><i>LONGHORN</i><br><i>Pages 16-21.</i>              |  |
| 7 | 1 | Edaphic factors.                   | To define soil.<br>To state uses of soil.<br>To identify forms of weathering.  | Q/A and explanation: definition of soil, its uses.<br>Exposition: Teacher exposes meaning of weathering and forms of weathering.               | Soil / rock samples.  | <i>KLB</i><br><i>Page 22.</i><br><i>CERT. AGRIC</i><br><i>Page 21.</i><br><i>LONGHORN</i><br><i>Pages 33-60</i>                       |  |
|   | 2 | Soil profile.                      | To define soil profile.<br>To represent soil profile diagrammatically.<br>To explain effects of soil profile on crop production.         | Exposition – Definition.<br>Drawing and labelling soil horizons.<br>Explanation and questioning: soil horizons v/s crop production.            | Chart – Soil profile.   | <i>KLB</i><br><i>Page30.</i><br><br><i>CERT.</i><br><i>AGRIC</i><br><i>Pages 27-28.</i><br><br><i>LONGHORN</i><br><i>Pages 33-60.</i> |  |
|   | 3 | Soil constituents & sedimentation. | To identify constituents of soil.  | Group experiments-To show soil sedimentation.<br><br><i>(Left overnight).</i>  | Measuring cylinder, Water, Sample of garden soil, Sodium carbonate. | <i>KLB</i><br><i>Pages 32-34.</i><br><br><i>CERT.</i><br><i>AGRIC</i><br><i>Page 30.</i>  |  |

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|      | 3 | Soil texture.   | To define soil texture.<br>To identify textural classes of soil.<br>To identify types of soils.  | Group experiment-<br>Mechanical analysis of soil.<br>Discuss the results.<br>Expose meaning of soil texture.                                     | Sieve meshes of different diameters,<br>Beakers,<br>Garden soil,<br>Weighing balance.                 | KLB<br>Pages 46-49.<br>CERT.AGRIC<br>Page 38.<br>LONGHORN<br>Pages 33-60.     |  |  |
| 8    | 1 | Water retention of soils.                                   | To describe an experiment to show:<br>- Water retention of soils.<br>- Capillary rates of different soils.   | Group experiments.<br>Discussion of observations.  | Sandy, Loam,<br>Clay soil<br>Cotton wool<br>Funnels<br>Stop watches<br>Rulers<br>Measuring cylinders. | KLB<br>Pages 52-53.<br>CERT. AGRIC<br>Page 46.                                |  |  |
|      | 2 | Effect of soil water holding properties on crop production. | To explain the effects of soil water holding properties on crop production.  | Q/A and explanation about soil aeration and drainage and their influences on growth of crops.  |   | KLB<br>Pages 52-53.<br>CERT. AGRIC<br>Page 46.                                |  |  |
|      | 3 | Soil structure.   | To define soil structure.<br>To identify types of soil structure.<br>To identify mans influence on soil structure.<br>To explain effects of soil structure on crops. | Detailed discussion.<br>Drawing of diagram-soil horizons.<br>Q/A: Man's influence on soil structure.<br>Q/A: Soil structure v/s Crop production. | Chart- soil structure forms.  | KLB<br>Page 41.<br><br>CERT. AGRIC<br>Page 40.<br><br>LONGHORN<br>Pages 33-60 |  |  |
| 9-10 |   | <b>END OF TERM ONE ASSESSMENT TEST</b>                      |  |  |   |   |  |  |

## SCHEME OF WORK FORM ONE AGRICULTURE TERM TWO 2022

| W<br>K<br>NO | L/<br>NO | TOPIC/<br>SUBTOPIC   | LESSON / SPECIFIC<br>OBJECTIVES  | TEACHING /<br>LEARNING<br>ACTIVITIES  | MATERIALS<br>/<br>RESOURCES  | REF.   | REM. |
|--------------|----------|--|--|---|--|--|------|
| 1            | 1        | Soil chemical properties.  | To describe chemical properties of soil.<br>To explain the influence of chemical properties of soils on crop production. | Teacher exposes new concepts e.g. carbon acid in the soil.<br>Group experiments – Soil pH ranges.<br>Discuss the observations.<br>Explanations and questioning. | Litmus papers,<br>Bromothymol blue,<br>Universal indicator, pH meters. | KLB<br>Page 55.<br><br>LONGHORN<br>Pages 33-60.                                      |      |
|              | 2        | <b>FARM TOOLS AND EQUIPMENT</b><br><br>Crop production tools.                              | To distinguish farm tools from farm equipment.<br>To identify farm tools and equipment and state their uses.             | Drawing garden tools.<br><br>Identifying real tools, such as pruning fork, leveling boards, knapsack sprayer, soil auger, e.t.c                                 | Chart – Tools that are not common.                                     | KLB<br>Pages 59-63.<br><br>CERT. AGRIC<br>Pages 48-52<br><br>LONGHORN<br>Pages 62-63 |      |
|              | 3        | Classification of farm tools and equipment.<br><br>Maintenance of farm tools and equipment | To classify tools on basis of their uses.<br><br>To state practices of maintenance of the tools.                         |   | Common farm tools, school farm   | KLB<br>Pages 59-63.<br>CERT. AGRIC<br>Pages 48-52<br>LONGHORN<br>Pages 62-63         |      |

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|   | 1 | Livestock production tools and equipments. | To identify livestock production tools and equipment.<br>To state purposes of livestock production tools and equipment.<br>To label diagrams of important tools.<br>To state practices of maintenance of the tools. | Drawing/ identifying the elastrator, hoof trimmer, strip cup, teeth clipper, drenching gun, chaff cutter, dehorning wire, bolus gun and others.<br>Discussion:<br>Maintenance practices of identified parts of the tools. | Chart-Uncommon tools: elastrator, hoof trimmer, strip cup, teeth clipper, drenching gun, chaff cutter, dehorning wire, bolus gun and others. | KLB<br>Pages 63-75.<br><br>CERT. AGRIC<br>Pages 54-59.<br><br>LONGHORN<br>Pgs 63-73. |  |
| 2 | 2 | Workshop tools and equipment.              | To identify common workshop tools and equipments.<br>To identify practices of maintaining the workshop.<br>To state general safety precautions to be observed in a work shop.                                       | Drawing / identifying Common workshop tools/ masonry tools: saws, planes, hammers, pliers, spoke shave, files, rasps, G-clamp, tin snip, e.t.c<br>Q/A: Maintenance practices.   | Saws, planes, hammers, pliers, spoke shave, files, rasps, G-clamp, tin snip  | KLB<br>Pages 94-97.  |  |
|   | 3 | Measuring tools.                           | To identify common measurement tools and equipments.<br>To identify practices of maintaining the measuring tools.   | Drawing / identifying common measurement tools: tape measure, plumb bob, T-square, spirit level, marking gauge.   | Common measurement tools: tape measure, plumb bob, T-square, spirit level, marking gauge.  | KLB<br>Pages 82-85.  |  |
| 3 | 1 | <b>CROP PRODUCTION 1</b><br>Land Clearing. | To explain importance of land clearing.<br>To identify tools for land clearing..  | Brainstorming,<br>Q/A & Discussion.   | Tools / photographs of tools used in land clearing.  | KLB<br>Page 109.<br>CERT.<br>AGRIC.<br>Page 81                                       |  |
|   | 2 | Land preparation.                          | To explain importance of land preparation.<br>To identify methods of land preparation.<br>To identify tools for land preparation.   | Brainstorming,<br>Q/A & Discussion.   | Tools / photographs of tools used in land prep.  |  |  |

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|   | 3 | Primary cultivation.<br>- Hand cultivation. | To state advantages and disadvantages of hand cultivation.<br>To relate hand cultivation to correct tools and equipment.   | Q/A: Advantages and disadvantages of the cultivation methods discussed.<br><br>Discussion: Choice of equipment for primary cultivation.                             | Tools / photographs of tools used in hand cultivation.  | KLB<br>Page 106.<br><br>CERT. AGRIC<br>Page 77-78.<br><br>LONGHORN<br>Page 103.   |  |
| 4 | 1 | Secondary cultivation.                      | To state aims of secondary cultivation.<br>To state factors affecting number of secondary cultivation carried out.<br>To identify implements used during secondary cultivation.                | Q/A: Definition of secondary cultivation, factors affecting number of secondary cultivations, etc.<br><br>Discussion: Implements used during secondary cultivation. | School farm,<br><br>Chart showing harrows.              | KLB<br>Page 109-110.<br><br>CERT. AGRIC<br>Page 84-85.<br>LONGHORN<br>Page 110.   |  |
|   | 2 | Minimum tillage.                            | To define minimum tillage.<br>To give reasons for carrying out minimum tillage.<br>To state advantages and disadvantages of minimum tillage.   | Teacher exposes the meaning of minimum tillage.<br><br>Q/A and explanations: Advantages and disadvantages of minimum tillage.                                       |   | KLB<br>Page 112-113.<br><br>CERT. AGRIC<br>Page 85.<br><br>LONG HORN<br>Page 103. |  |
|   | 3 | Tertiary operations.                        | To identify tertiary operations carried out in the field.<br>To state importance of some tertiary operations.<br>To relate required soil tilth to the type of tertiary operations carried out. | Discussion: Ridging, rolling and leveling and their importance.   | Chart / photographs showing ridgers, rollers, levelers. | KLB<br>Pages 110-111.<br><br>LONG HORN<br>Page 86.                                |  |

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| 5 | 1 | <b>WATER SUPPLY, IRRIGATION AND DRAINAGE</b><br><br>Uses of water in a farm. | To state uses of water in a farm.   | Q/A and brief explanations.<br>Written assignment. | Photographs of dams, boreholes, springs and gutters. | KLB<br>Pages 117-120.<br>CERT. AGRIC.<br>Pages 89-92.<br>LONGHORN<br>Page 114. |  |
|   | 2 | Sources of water in a farm.  | To identify sources of water in a farm.   | Q/A and brief explanations.<br>Written assignment. | otographs of dams, boreholes, springs and gutters.   | KLB<br>Pages 117-120.<br>CERT. AGRIC.<br>Pages 89-92.<br>LONGHORN              |  |
|   | 3 | <b>MID TERM BREAK</b>  |   |  |  |  |  |
| 6 | 1 | Water collection and piping,   | To describe water collection, and piping.   | Assignment method / group discussion.              |  | KLB<br>Pages 120-121.<br>CERT. AGRIC.<br>Page 94.<br>LONGHORN<br>Page 114.     |  |
|   | 2 | Storage and treatment of water.  | To describe water storage and treatment.  |  |  |  |  |
|   | 3 | Irrigation.  | To identify aims of irrigation.<br>To explain choice of irrigation equipment.<br>To state methods of irrigation.  | Brief discussion.                                  |  | KLB<br>Pages 129-134.  |  |
| 7 | 1 | Methods of irrigation.   | To describe methods of irrigation.<br>To state advantages of overhead irrigation over surface irrigation.<br>To explain economic importance of irrigation | Probing questions and discussion.                  | Illustrative charts- Methods of irrigation.          |  |  |
|   | 2 | Drainage.  | To describe methods of water drainage.  | Probing questions and discussion.                  | Illustrative charts- Methods of drainage.            | KLB<br>Page 136.<br>CERT. AGRIC<br>Pages 108-109.<br>LONGHORN                  |  |

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|              | 3  | Water pollution.  | To identify agricultural practices that can lead to water pollution.<br>To identify practices that can reduce water pollution.                    | Q/A: Identifying water pollutants and methods of pollution control. | Samples of water pollutants & polluted water. | KLB<br>Page 139.<br><br>CERT. AGRIC<br>Page 110.<br><br>LONGHORN<br>Page 137 |  |
|              | 1  | <b>SOIL FERTILITY</b><br><br>Characteristics of a fertile soil. | To identify characteristics of a fertile soil.<br>To describe ways in which soil fertility is lost.<br>To state ways of improving soil fertility. | Q/A and explanations.<br>Brief discussion.                          | Samples of fertile soil, eroded soil,         | KLB<br>Page 142.<br><br>CERT.AGRIC<br>Page112.<br>LONGHORN<br>Page 140.      |  |
| 8            | 2-3  | Organic manures.  | To identify role of organic manure in crop production.<br>To state types of organic manures.  | Q/A and explanations.   |   | KLB<br>Pages146-147.<br><br>LONGHORN<br>Pgs 143-145.                         |  |
| 9<br>&<br>10 | <b>END TERM 2 EXAMS &amp; CLOSING OF SCHOOLS</b> |   |   |   |   |  |  |

## **SCHEME OF WORK FORM ONE AGRICULTURE TERM THREE 2022**

| <b>WK NO</b> | <b>L/ NO</b> | <b>TOPIC/ SUBTOPIC</b>   | <b>LESSON / SPECIFIC OBJECTIVES</b>  | <b>TEACHING / LEARNING ACTIVITIES</b>   | <b>MATERIALS / RESOURCES</b>        | <b>REF.</b>  | <b>REM.</b> |
|--------------|--------------|--|--|---|-------------------------------------|--|-------------|
| 1            | 1            | Methods of making organic manure.  | To describe methods of making organic manure.  | Discussion: Compost manure, green manure, FYM.<br>Procedure of making manure. | Compost manure, green manure, FYM.  | KLB<br>Pages 149-150.<br>CERT.AGRIC<br>Page 114-116. |             |
|              | 2            | Quality of FYM.  | To state factors influencing quality of FYM.   | Detailed discussion.<br>Q/A: Proper storage of FYM.                           | FYM.                                | KLB<br>Page 149.<br>CERT.AGRIC<br>Page 116.          |             |
|              | 3            | <b>LIVESTOCK PRODUCTION I</b><br>Importance of livestock.<br>Livestock types and breeds. | To state the importance of livestock.<br>To define the terms livestock breed and livestock type.                               | Q/A<br>Exposition: Definition of livestock breeds and types.                  | Livestock products and by-products. | KLB<br>Page 155.<br><br>CERT.AGRIC<br>Page 118.      |             |
| 2            | 1            | Dairy cattle.  | To identify key parts of a cow.<br>To identify characteristics of dairy cattle.<br>To describe various breeds of dairy cattle. | Drawing and labeling a cow.<br><br>Q/A: Characteristics of dairy cattle.      | Chart- key parts of a cow.          | KLB<br>Page 159<br><br>CERT.AGRIC<br>Page 120.       |             |

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|   | 2   | Breeds of dairy cattle.             | To describe common breeds of dairy cattle.  | Brief discussion: characteristics, origin of - Jersey, Guernsey, Friesian, Ayrshire, Brown Swiss, e.t.c.    | Wall chart: breeds of dairy cows.                                 | KLB Pages 159-162.<br>CERT.AGRIC Pages 120-122.                |  |
|   | 3   | Beef cattle.                        | To identify major parts of a beef animal.<br>To identify general characteristics of beef cattle.                                | Drawing and labeling a beef cow.  | Charts- a beef animal.  | KLB Pages 162-163.   |  |
| 3 | 1   | Breeds of beef cattle.              | To describe various breeds of beef cattle   | Brief discussion: Hereford, Aberdeen Angus, Charolais, and Galloway.  | Wall chart- Beef cattle   | KLB Pages 163-164.   |  |
|   | 2   | Dual-purpose cattle.                | To identify dual-purpose cattle breeds (both exotic and indigenous).<br>To state characteristics of dual-purpose cattle breeds. | Discuss characteristics of Sahiwal, Red Poll and Zebu (East African Zebu).                                  | Photographs of dual-purpose cattle breeds.                        | KLB Pages 164-165.<br>CERT.AGRIC Pages 127-128.                |  |
|   | 3   | Sheep.<br><br>Breeds of wool sheep. | To name the key parts of a sheep.<br>To name breeds of wool sheep.<br>To state characteristics of each breed of wool sheep.     | Identifying and stating characteristics of Merino sheep, Rambouillet, Suffolk.                              | Chart- key parts of a sheep.<br>Wall chart- Breeds of wool sheep. | KLB Page 174<br>CERT.AGRIC Page 129-133.<br>LONGHORN Page 164. |  |
| 4 | 1   | Mutton sheep breeds.                | To name breeds of mutton sheep.<br>To state characteristics of each breed of mutton sheep.                                      | Identifying and stating characteristics of the Dorper, Black head Persian sheep, Masai sheep, Somali sheep. | Wall chart- Breeds of mutton sheep.                               | KLB Pages 176-177.<br>CERT.AGRIC Page 132.                     |  |
|   | 2-3 | Dual-purpose sheep.                 | To name breeds of dual-purpose sheep.<br>To state characteristics of each breed of dual-purpose sheep.                          | Assignment method: Stating characteristics of Romney Marsh, Corriedale, and Hampshire Down.                 | Wall chart: dual-purpose sheep breeds.                            | KLB Page 178.<br><br>CERT.AGRIC Pages 133-134                  |  |

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| 5 | 1 | Breeds of meat & milk goats. | To name and state characteristics of breeds of meat goats.<br>To name and state characteristics of breeds of milk goats.<br>To state characteristics of Angora goat. | Highlight the characteristics of: Galla goat, Boar Highlight the characteristics of: Toggenburg goat, Saanen, Jamnapuri goat.        |  |  |  | <i>Klb pg 179-180</i>   |
|   | 2 | Pig breeds.                  | To name key parts of a pig.<br>To identify breeds of pigs and their characteristics.   | Highlight briefly the characteristics of Large White, Ladrace, Hampshire and others.   | Chart- Key parts of a pig<br>Wall chart- Major pig breeds. |  |  | KLB Pages 166-171.<br>CERT. AGRIC Pages 139-140.                        |
|   | 3 | Breeds of rabbits.           | To name key parts of a rabbit.<br>To identify breeds of rabbits and their characteristics.   | Briefly discuss the typical conformation and characteristics of New Zealand White, the California White, the Chinchilla and Earlops. | Chart- Key parts of a rabbit<br>Wall chart- Rabbit breeds. |  |  | KLB Pages 184-185.<br>CERT. AGRIC. Pages 141-143.<br>LONGHORN Page 183. |
| 6 | 1 | Chicken breeds.              | To name key parts of a chicken.<br>To list characteristics of pure breeds of chicken   | Drawing and labelling.<br>Assignment method: Leghorn, Rhode Island Red, Australop, Light Sussex, Plymouth Rock, e.t.c.               | Chart – Key parts of a chicken.                            |  |  | KLB Pages 172-174.<br>CERT. AGRIC. Pages 143-146.                       |
|   | 2 | Camel breeds.                | To identify the two major camel breeds.  | Exposition;<br>Discussion;<br>Excursion.   | Photographs of camel breeds.                               |  |  | KLB Pages 185-186.<br>CERT. AGRIC. Pages 185-186.                       |
|   | 3 | <b>AGRICULTURAL</b>          | To define the terms Economics and Agricultural Economics.  | Probing questions and discussion.  |  |  |  | KLB   |

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|     |                                  | <b>ECONOMICS 1</b><br>economic principles.<br>Introduction.<br>Basic  | To explain basic concepts of economics.  | Discussion at length on the following: scarcity and choice, opportunity cost, preference and choice.  |   | Pages 189-190.<br>CERT. AGRIC Page 150.<br>LONGHORN Page 190.  |  |  |
| 7   | 1                                | Importance of Farm records.<br>Types of farm records.<br>Inventory and financial records.<br>Labour records and | To describe the importance of keeping accurate up-to-date farm records.<br>To describe inventory records and financial records. To describe labour records and production records, and their components.   | Q/A and explanation of importance of farm records.<br>Probing questions and discussion.   | Specimen farm records.                  | KLB<br>Pages 190-192   |  |  |
|     | 2                                | Livestock Production Records.<br><br>Breeding records.  | To identify components of animal breeding records.<br>To explain importance of feeding records.<br>To represent feeding details in tabular form.<br>To identify details of animal health records.<br>To state importance of keeping accurate livestock production records.<br>To identify necessary details of livestock production records. | Q/A: Components of breeding records.<br>Group work:<br>- Components of breeding records of a cow in tabular form.<br>-Components of breeding records of a sow.          | Livestock breeding records.             | KLB<br>Page 194.<br>CERT.AGRIC Page 154.<br>LONGHORN Page 200. |  |  |
|     | 3                                | Feeding records.<br><br>Health records.<br>Livestock production records.  | To explain importance of feeding records.<br>To represent feeding details in tabular form.<br>To identify details of animal health records.<br>To state importance of keeping accurate livestock production records.<br>To identify necessary details of livestock production records.   | Probing questions and discussion Discussion: Milk production record/ egg production record.<br><br>Practical activity- Design milk production / egg production records. | Chart – Sample of animal health record. | KLB<br>Page 196-197.<br><br>CERT. AGRIC. Page 158-159.         |  |  |
| 8-9 | <b>SUMMATIVE ASSESSMENT TEST</b> |   |  |   |   |  |  |  |