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| SCHEME OF WORK FORM ONE AGRICULTURE TERM ONE 2023 | | | | | | | | |
| WK **NO** | L/ **NO** | TOPIC/ **SUBTOPIC** | **LESSON / SPECIFIC**  OBJECTIVES | **TEACHING / LEARNING**  **ACTIVITIES** | | **MATERIALS**  **/**  **RESOURCES** | REF. | REM. |
| 1 |  | *INTAKE OF STUDENTS* | |  | |  |  |  |
| 2 | 1  2 | **INTRODUCTION**  **TO**  **AGRICULTURE**  Introduction.  Branches of Agriculture. | By the end of the lesson, the learner should be able:  To define Agriculture as an art and a science.  To describe the branches of Agriculture. | Brainstorming:  Teacher elicits the definition of Agriculture.  Discussion- Branches of Agriculture: crop farming, livestock farming, Agricultural Economics, Agriculture Engineering, e.t.c. | | Chart- Branches of Agriculture.  Livestock / Crop products. | *KLB*  *Pages 1-3*  *LONGHORN*  *Pages 1-2*  *CERT.AGRIC*  *Pages 1-3* |  |
| 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. | *CERT.AGRIC*  *Pages 3-4.* |  |
| 3 | 1 | Problems facing Agriculture. | To state and explain problems facing Agriculture and suggest possible solutions. | Brain storming, guided questions and detailed discussion. | |  | *CERT.AGRIC*  *Page 4.* |  |
| 2 | Farming Systems. | To define a farming system.  To identify factors that affect choice of a farming system. | Teacher exposes the meaning of a farming system.  Discussion on factors that affect choice of a farming system. | |  | *KLB*  *Pages 5-6*  *LONGHORN*  *Pages 6-7*  *CERT.AGRIC*  *Page 5* |  |
| 3  1 | Farming systems in Kenya.  Intensive farming systems. | To describe various farming systems practised intensively.  To state advantages and disadvantages of each type of intensive farming. | Q/A & Discussion:   * Arable farming. * Small-scale farming. * Subsistence farming   Q/A & Discussion:  -commercial farming.  -Intercropping. | |  | *LONGHORN*  *Pages 7-9*  *CERT.AGRIC*  *Page 6.* |  |
| 4 |
| 2,  3 | Extensive farming systems.  Advantages and disadvantages of extensive farming system. | To describe various farming systems practised extensively.  To state advantages and disadvantages of each type of extensive farming. | Discussion:   * Dairy farming * Large-scale farming * Ranching * Plantation farming.   Q/A and explanations. | | Relevant photographs: plantations, ranches, dairy farms. | *KLB*  *Pages 5-6.*  *LONGHORN*  *Page 7.* |  |
| 5 | 1 | Methods of farming.  Mixed farming. | To define mixed farming.  To state advantages and disadvantages of mixed farming. | Probing questions.  Discussion- factors favouring / militating against mixed farming. | |  | *KLB*  *Pages 6,7,& 8*  *LONGHORN*  *Pages 9-13* |  |
| 2 | Nomadic Pastoralism. | To define nomadic pastoralism.  To state advantages and disadvantages of nomadic pastoralism. | Probing questions.  Discussion- factors favouring / militating against pastoralism. | |  | *CERT. AGRIC*  *Pages 7-9* |  |
| 3 | Shifting cultivation. | To define shifting cultivation.  To state advantages and disadvantages of shifting cultivation. | Exposition;  Discussion. | |  | *CERT. AGRIC*  *Pages 7-9* |  |
| 6  7 | 1 | MID TERM BREAK | |  | |  |  |  |
| 2 | Organic farming.  Agroforestry. | To define organic farming.  To state advantages and disadvantages of organic farming.  To define agroforestry. | Probing questions.  Discussion: factors favoring / militating against organic farming / organic farming. | | Specimens of organic manures.  Specimens of agroforestry trees,  Charts & photographs. | *CERT. AGRIC*  *Pages 8-9* |  |
|  | 3 | FACTORS INFLUENCING AGRICULTURE  *Human factors.* | To explain the human factors influencing Agriculture. | Detailed discussion and probing questions on: Health (*emphasis on HIV/AIDS*), education level, communication, economic development, marketing, government policies, e.t.c. | | Data on HIV/AIDS. | *K.L.B.*  *Pgs 11- 15* |  |
| 8 | 1 | *Climatic factors.*  - Rainfall. | To discuss at length influence of rainfall on Agriculture.  To identify farming practices that:   * Reduce effects of water shortage. * Overcome effects of excess water. | Q/A and explanations about: rainfall i.e. lack of rainfall, excess rainfall, rainfall intensity, distribution and reliability.  Exposition and explanations. | | Weather station instruments:  *rain gauge.* | *KLB*  *Page 18*  *CERT.AGRIC*  *Page13*  *LONGHORN*  *Pgs 24-32.* |  |
| 2 | - Temperature. | To define cardinal temperature range, maximum and minimum temperature, optimum temperature.  To identify factors that cause temperature variations.  To explain ways in which plants/ animals overcome extreme temperatures. | Exposition and explanation.  Discussion and Q/A on; altitude, latitude, seasons, winds, clouds, slope, e.t.c.  Students highlight ways in which plants / animals overcome extreme temperatures, then the  teacher delves into the details. | | Thermometers. | *KLB*  *Page 19.*  *CERT. AGRIC*  *Page 16.*  *LONGHORN*  *Pages 24-32.* |  |
| 3 | - Light. | To state functions of light.  To describe characteristics of light. | Q/A: Functions of light.  Exposition & Discussion: Light intensity, duration and wavelength. | |  | *KLB*  *Page 21.*  *CERT. AGRIC*  *Page 18.*  *LONGHORN*  *Pgs 24-32.* |  |
| 9 | 1 | - Wind and Relative Humidity. | To identify effects of wind on agricultural production.  To explain relation between relative humidity and rate of evapotranspiration. | Q/A: Uses and nuisances of wind.  Exposition: Meaning of relative humidity.  Discussion: Relative humidity v/s rate of evapotranspiration. | |  | *KLB*  *Page20.*  *CERT. AGRIC*  *Page 20.* |  |
| 2 | 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. | *KLB*  *Pages 16-17.*  *CERT. AGRIC*  *Pages 20-21.*  *LONGHORN*  *Pages 16-21.* |  |
| 3 | Edaphic factors. | To define soil.  To state uses of soil.  To identify forms of weathering. | Q/A and explanation: definition of soil, its uses.  Exposition: Teacher exposes meaning of weathering and forms of weathering. | | Soil / rock samples. | *KLB*  *Page 22.*  *CERT. AGRIC*  *Page 21.*  *LONGHORN*  *Pages 33-60* |  |
| 10 | 1 | Soil profile. | To define soil profile.  To represent soil profile diagrammatically.  To explain effects of soil profile on crop production. | | Exposition – Definition.  Drawing and labelling soil horizons.  Explanation and questioning: soil horizons v/s crop production. | Chart – Soil profile. | *KLB*  *Page30.*  *CERT. AGRIC*  *Pages 27-28.*  *LONGHORN*  *Pages 33-60.* |  |
| 2 | Soil constituents & sedimentation. | To identify constituents of soil. | | Group experiments-To show soil sedimentation.  *(Left overnight).* | Measuring cylinder,  Water,  Sample of garden soil,  Sodium carbonate. | *KLB*  *Pages 32-34.*  *CERT. AGRIC*  *Page 30.* |  |
| 3 | Soil constituents & sedimentation. | To explain the importance of the soil constituents. | | Discussion: Constituents of soil and importance of each constituent. |  | *LONGHORN*  *Pages 33-60.* |  |

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| 11 | 1,2 | Soil texture. | To define soil texture.  To identify textural classes of soil.  To identify types of soils. | Group experiment- Mechanical analysis of soil.  Discuss the results.  Expose meaning of soil texture. | | Sieve meshes of different diameters,  Beakers,  Garden soil,  Weighing balance. | KLB  Pages 46-49.  CERT.AGRIC  Page 38.  LONGHORN  Pages 33-60. |  | |
| 3 | Water retention of soils. | To describe an experiment to show:   * Water retention of soils. * Capillary rates of different soils. | Group experiments.  Discussion of observations. | | Sandy, Loam,  Clay soil  Cotton wool  Funnels  Stop watches  Rulers  Measuring cylinders. | KLB  Pages 52-53.  CERT. AGRIC  Page 46. |  | |
| 12 | 1 | 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  Pages 52-53.  CERT. AGRIC  Page 46. |  | |
| 2,3 | Soil structure. | To define soil structure.  To identify types of soil structure.  To identify mans influence on soil structure.  To explain effects of soil structure on crops. | Detailed discussion.  Drawing of diagram- soil horizons.  Q/A: Man’s influence on soil structure.  Q/A: Soil structure v/s Crop production. | | Chart- soil structure forms. | KLB  Page 41.  CERT. AGRIC  Page 40.  LONGHORN  Pages 33-60 |  | |
| 13,  14 |  | END OF TERM ONE ASSESSMENT TEST |  |  | |  |  |  | |
| SCHEME OF WORK FORM ONE AGRICULTURE TERM TWO 2023 | | | | | | | | | |
| WK **NO** | L/ **NO** | TOPIC/ **SUBTOPIC** | **LESSON / SPECIFIC**  OBJECTIVES | **TEACHING / LEARNING**  **ACTIVITIES** | | **MATERIALS**  **/**  **RESOURCES** | REF. | REM. | |
| 1 | 1-2 | Soil chemical properties. | To describe chemical properties of soil.  To explain the influence of chemical properties of soils on crop production. | Teacher exposes new concepts e.g. carbon acid in the soil.  Group experiments – Soil pH ranges.  Discuss the observations.  Explanations and questioning. | | Litmus papers,  Bromothymol blue,  Universal indicator, pH meters. | KLB  Page 55.  LONGHORN  Pages 33-60. |  | |
| 3 | **FARM TOOLS AND EQUIPMENT**  Crop production tools. | To distinguish farm tools from farm equipment.  To identify farm tools and equipment and state their uses. | Drawing garden tools.  Identifying real tools, such as pruning fork, leveling boards, knap-sack sprayer, soil auger, e.t.c | | Chart – Tools that are not common.  . | KLB  Pages 59-63.  CERT. AGRIC  Pages 48-52  LONGHORN  Pages 62-63 |  | |
| 2 | 1 | Classification of farm tools and equipment.  Maintenance of farm tools and equipment | To classify tools on basis of their uses.  To state practices of maintenance of the tools. |  | | Common farm tools, school farm | KLB  Pages 59-63.  CERT. AGRIC  Pages 48-52  LONGHORN  Pages 62-63 |  | |
| 2,3 | Livestock production tools and equipments. | To identify livestock production tools and equipment.  To state purposes of livestock production tools and equipment.  To label diagrams of important tools.  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.  Discussion: 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  Pages 63-75.  CERT. AGRIC  Pages 54-59.  LONGHORN  Pgs 63-73. |  | |
| 3 | 1,2 | Workshop tools and equipment. | To identify common workshop tools and equipments.  To identify practices of maintaining the workshop.  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  Q/A: Maintenance practices. | | Saws, planes, hammers, pliers, spoke shave, files, rasps, G-clamp, tin snip | KLB  Pages 94-97. |  | |
| 3 | Measuring tools. | To identify common measurement tools and equipments.  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  Pages 82-85. |  | |
| 4 | 1,2 | TEST & MID TERM BREAK | | | | | | | |
| 3 | **CROP PRODUCTION 1**  Land Clearing. | To explain importance of land clearing.  To identify tools for land clearing.. | | Brainstorming,  Q/A & Discussion. | Tools / photographs of tools used in land clearing. | KLB  Page 109.  CERT. AGRIC.  Page 81. | |  |
| 5 | 1 | Land preparation. | To explain importance of land preparation.  To identify methods of land preparation.  To identify tools for land preparation. | | Brainstorming,  Q/A & Discussion. | Tools / photographs of tools used in land prep. |  | |  |
| 2,3 | Primary cultivation.  - Hand cultivation. | To state advantages and disadvantages of hand cultivation.  To relate hand cultivation to correct tools and equipment. | | Q/A: Advantages and disadvantages of the cultivation methods discussed.  Discussion: Choice of equipment for primary cultivation. | Tools / photographs of tools used in hand cultivation. | KLB  Page 106.  CERT. AGRIC  Page 77-78.  LONGHORN  Page 103. | |  |
| 6 |  | MID TERM BREAK |  | |  |  |  | |  |
| 7 | 1,2 | Secondary cultivation. | To state aims of secondary cultivation.  To state factors affecting number of secondary cultivation carried out.  To identify implements used during secondary cultivation. | | Q/A: Definition of secondary cultivation, factors affecting number of secondary cultivations, etc.  Discussion: Implements used during secondary cultivation. | School farm,  Chart showing harrows. | KLB  Page109-110.  CERT. AGRIC  Page 84-85.  LONGHORN  Page 110. | |  |
| 3 | Minimum tillage. | To define minimum tillage.  To give reasons for carrying out minimum tillage.  To state advantages and disadvantages of minimum tillage. | | Teacher exposes the meaning of minimum tillage.  Q/A and explanations: Advantages and disadvantages of minimum tillage. |  | KLB  Page 112-113.  CERT. AGRIC  Page 85.  LONG HORN  Page103. | |  |
| 8 | 1,2 | Tertiary operations. | To identify tertiary operations carried out in the field.  To state importance of some tertiary operations.  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  Pages 110-111.  LONG HORN  Page 86. | |  |
| 3 | WATER SUPPLY, IRRIGATION AND DRAINAGE  Uses of water in a farm. | To state uses of water in a farm. | | Q/A and brief explanations.  Written assignment. | Photographs of dams, boreholes, springs and gutters. | KLB  Pages 117-120.  CERT. AGRIC.  Pages 89-92.  LONGHORN  Page 114. | |  |
| 9 | 1 | Sources of water in a farm. | To identify sources of water in a farm. | | Q/A and brief explanations.  Written assignment. | otographs of dams, boreholes, springs and gutters. | KLB  Pages 117-120.  CERT. AGRIC.  Pages 89-92.  LONGHORN  Page 114. | |  |
| 2 | Water collection and piping, | To describe water collection, and piping. | | Assignment method / group discussion. |  | KLB  Pages 120-121.  CERT. AGRIC.  Page 94.  LONGHORN  Page 114. | |  |
| 3 | Storage and treatment of water. | To describe water storage and treatment. | |  |  |  | |  |
| 10 | 1 | Irrigation. | To identify aims of irrigation.  To explain choice of irrigation equipment.  To state methods of irrigation. | | Brief discussion. |  | KLB  Pages 129-134.  CERT. AGRIC  Pages 101-104.  LONGHORN  Pages 114-124. | |  |
| 2,3 | Methods of irrigation. | To describe methods of irrigation.  To state advantages of overhead irrigation over surface irrigation.  To explain economic importance of irrigation. | | Probing questions and discussion. | Illustrative charts- Methods of irrigation. |  | |  |
| 11 | 1 | Drainage. | To describe methods of water drainage. | | Probing questions and discussion. | Illustrative charts- Methods of drainage. | KLB  Page 136.  CERT. AGRIC  Pages 108-109.  LONGHORN  Page 133. | |  |
| 2,3 | Water pollution. | To identify agricultural practices that can lead to water pollution.  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  Page 139.  CERT. AGRIC  Page 110.  LONGHORN  Page 137 | |  |

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| WK **NO** | L/ **NO** | TOPIC/ **SUBTOPIC** | **LESSON / SPECIFIC**  OBJECTIVES | **TEACHING / LEARNING**  **ACTIVITIES** | MATERIALS  /  RESOURCES | | REF. | REM. |
| 12 | 1,2 | **SOIL FERTILITY**  Characteristics of a fertile soil. | To identify characteristics of a fertile soil.  To describe ways in which soil fertility is lost.  To state ways of improving soil fertility. | Q/A and explanations.  Brief discussion. | Samples of fertile soil, eroded soil, | KLB  Page 142.  CERT.AGRIC  Page112.  LONGHORN  Page 140. | |  |
| 3 | Organic manures. | To identify role of organic manure in crop production.  To state types of organic manures. | Q/A and explanations. |  | KLB  Pages146-147.  LONGHORN  Pgs 143-145. | |  |
| 13 & 14 |  | END TERM 2 EXAMS |  |  |  |  | |  |
| *SCHEME OF WORK FORM ONE AGRICULTURE TERM THREE 2023* | | | | | | | | |
| WK **NO** | L/ **NO** | TOPIC/ **SUBTOPIC** | **LESSON / SPECIFIC**  OBJECTIVES | **TEACHING / LEARNING**  **ACTIVITIES** | MATERIALS  /  RESOURCES | REF. | | REM. |
| 1 | 1,2 | Methods of making organic manure. | To describe methods of making organic manure. | Discussion: Compost manure, green manure, FYM.  Procedure of making manure. | Compost manure, green manure, FYM. | KLB  Pages 149-150.  CERT.AGRIC  Page 114-116.  LONGHORN  Pages 146-148. | |  |
| 3 | Quality of FYM. | To state factors influencing quality of FYM. | Detailed discussion.  Q/A: Proper storage of FYM. | FYM. | KLB  Page 149.  CERT.AGRIC  Page116. | |  |
| 2 | 1 | LIVESTOCK PRODUCTION I  Importance of livestock.  Livestock types and breeds. | To state the importance of livestock.  To define the terms livestock breed and livestock type. | Q/A  Exposition: Definition of livestock breeds and types. | Livestock products and by-products. | KLB  Page 155.  CERT.AGRIC  Page 118.  LONGHORN  Page 152. | |  |
| 2 | Dairy cattle. | To identify key parts of a cow.  To identify characteristics of dairy cattle.  To describe various breeds of dairy cattle. | Drawing and labeling a cow.  Q/A: Characteristics of dairy cattle. | Chart- key parts of a cow. | KLB  Page 159  CERT.AGRIC  Page120. | |  |
| 3,  1 | 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.  CERT.AGRIC  Pages 120-122.  LONGHORN  Pages152. | |  |
| 3 |
| 2 | Beef cattle. | To identify major parts of a beef animal.  To identify general characteristics of beef cattle. | Drawing and labeling a beef cow. | Charts- a beef animal. | KLB  Pages 162-163.  CERT.AGRIC  Pages123-127. | |  |
| 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.  CERT.AGRIC  Pages 123-127. | |  |
| 4 |
|  | 2 | Dual-purpose cattle. | To identify dual-purpose cattle breeds (both exotic and indigenous).  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  Pages164-165.  CERT.AGRIC  Pages  127-128. | |  |
| 3,  1 | Sheep.  Breeds of wool sheep. | To name the key parts of a sheep.  To name breeds of wool sheep.  To state characteristics of each bread of wool sheep. | Identifying and stating characteristics of Merino sheep, Rambouillet, Suffolk. | Chart- key parts of a sheep.  Wall chart- Breeds of wool sheep. | KLB  Page 174  CERT.AGRIC  Page 129-133.  LONGHORN  Page164. | |  |
| 5 |
| 2 | Mutton sheep breeds. | To name breeds of mutton sheep.  To state characteristics of each bread 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.  CERT.AGRIC  Page 132. | |  |
| 3 | Dual-purpose sheep. | To name breeds of dual-purpose sheep.  To state characteristics of each bread of dual-purpose sheep. | Assignment method: Stating characteristics of Romney Marsh, Corriedale, and Hampshire Down. | Wall chart: dual-purpose sheep breeds. | KLB  Page 178.  CERT.AGRIC  Pages133-134 | |  |
| 6 | 1 | Breeds of meat goats. | To name and state characteristics of breeds of meat goats. | Highlight the characteristics of: Galla goat, Boar goat. |  |  | |  |
| 2 | Breeds of milk goats. | To name and state characteristics of breeds of milk goats.  To state characteristics of Angora goat. | Highlight the characteristics of: Toggenburg goat, Saanen, Jamnapuri goat, e.t.c.  Highlight the characteristics of Angora goat. | Wall chart- milk and meat goats. | KLB  Page 180.  CERT.AGRIC  Pages 135-137.  LONGHORN  Page 169. | |  |
| 3 | Pig breeds. | To name key parts of a pig.  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  Wall chart- Major pig breeds. | KLB  Pages 166-171.  CERT. AGRIC  Pages  139-140.  LONGHORN  Page 174. | |  |
|  | Breeds of rabbits. | To name key parts of a rabbit.  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  Wall chart- Rabbit breeds. | KLB  Pages 184-185.  CERT. AGRIC.  Pages 141-143.  LONGHORN  Page 183. | |  |
| 1 | Chicken breeds. | To name key parts of a chicken.  To list characteristics of pure breeds of chicken | Drawing and labelling.  Assignment method:  Leghorn, Rhode Island Red, Australop, Light Sussex, Plymouth Rock, e.t.c. | Chart – Key parts of a chicken. | KLB  Pages 172-174.  CERT. AGRIC.  Pages 143-146.  LONGHORN  Page 178. | |  |
| 7 |
| 2 | Chicken hybrids. | To state advantages of hybrids over pure breeds. | Q/A & brief discussion. |  |  | |  |
| 3 | Camel breeds. | To identify the two major camel breeds. | Exposition;  Discussion;  Excursion. | Photographs of camel breeds. | KLB  Pages 185-186.  CERT. AGRIC.  Pages 185-186.  LONGHORN  Page 182. | |  |
| 8 | 1 | **AGRICULTURAL ECONOMICS 1**  Introduction. | To define the terms Economics and Agricultural Economics. | Probing questions and discussion. |  | KLB  Page 189.  CERT. AGRIC  Page 149.  LONGHORN  Page 190. | |  |
| 2 | Basic economic principles. | To explain basic concepts of economics. | Discussion at length on the following: scarcity and choice, opportunity cost, preference and choice. |  | KLB  Pages 189-190.  CERT. AGRIC  Page 150.  LONGHORN  Page 190. | |  |
| 3 | Importance of Farm records. | To describe the importance of keeping accurate up-to-date farm records. | Q/A and explanation of importance of farm records. | Specimen farm records. | KLB  Pages 190-191.  CERT. AGRIC  Page 150.  LONGHORN  Pages 192-194. | |  |
| 9 | 1 | Types of farm records.  Inventory and financial records. | To describe inventory records and financial records. | Probing questions and discussion. | Samples of records / charts. | KLB  Page 192.  CERT. AGRIC  Page 152.  LONGHORN  Page 160. | |  |
| 2 | Labour records and production records. | To describe labour records and production records, and their components. | Probing questions and discussion. | Labour records and production records. | KLB  Page 198, &192.  CERT.AGRIC.  Page 152.  LONGHORN  Page 160. | |  |
| 3 | Livestock Production Records.  Breeding records. | To identify components of animal breeding records. | Q/A: Components of breeding records.  Group work:  - Components of breeding records of a cow in tabular form.  -Components of breeding records of a sow. | Livestock breeding records. | KLB  Page 194.  CERT.AGRIC  Page 154.  LONGHORN  Page 200. | |  |
| 10 | 1 | Feeding records.  Health records. | To explain importance of feeding records.  To represent feeding details in tabular form.  To identify details of animal health records. | Probing questions and discussion. | Chart – Sample of animal health record. | KLB  Page 196-197.  CERT. AGRIC.  Page 158-159. | |  |
| 2,3 | Livestock production records. | To state importance of keeping accurate livestock production records.  To identify necessary details of livestock production records. | Discussion: Milk production record/ egg production record.  Practical activity- Design milk production / egg production records. | Livestock production records. | KLB  Page 192.  CERT. AGRIC.  Page 152.  LONGHORN  Page 160. | |  |
|  |  |  | SUMMATIVE ASSESSMENT TEST | |  |  | |  |