Name of the teacher: Mr. Akaaunde Jeremiah

Class: SS3 Subject: Agricultural Science.

Phon number: 08056205046

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| WEEK | TOPIC | CONTENT | Behavioral objectvies | Question |
| 1&2 | Crop Improvement | * Aims of crop improvement   -To increase yield, improve quality of produce etc.   * Methods of crop improvement   -Proper timing of planting, adoption of better cultivation methods, etc.   * Mendel’s law of inheritance   -Definition of some genetic terms: Chromosomes, genes etc.  -Mendel’s first law of segregation of genes  -Mendel’s second law of independent assortment of genes (give examples)   * Advantages and disadvantages of crop improvement | By the end of the lesson, students should:  -Explain the term crop improvement.  -State aims of crop improvements  -Outlines ways of improving crops | 1. What is crop improvement?  b. Briefly explain the following ways of improving crops  i Introduction  ii. Mass selection  iii Pedigree selection  iv. Hybridization  2. Briefly explain three method of improving local existing rice in your country.  b. State the first and second law of menders  3. State 5 aims of crop improvement  B. State 4 advantages and disadvantages of crop breeding  4. A dominant character of tall gene from white maize was cross breed with a recessive gene of dwarfism from yellow maize breed.  With the aid of diagram show the result of f2 generation.  b What is the probability of having? i. Tall maize  ii. Heterozygous gene  iii. Interpret the result of f2 generation base on:  (i) gene type (ii) phenotype |
| 3-4 | Animal Improvement | * Meaning of animal improvement * Aims of animal improvement * Methods of animal improvement   -Introduction, Selection, Types of selection, Breeding, Types of Breeding   * Meaning of artificial insemination * Methods of collecting semen * Advantages and disadvantages of artificial insemination | -Explain the term animal improvement.  -State aims of animals improvements  -Outlines ways of improving animal | 1 Briefly explain the following terms  i Natural selection  ii. Artificial selection  iii. Pedigree selection  iv. Inline selection  v. Inbreeding  2. How can an animal be improved  b. What is artificial insemination  c. Outlines 3 advantages and disadvantages of artificial insemination |

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| WK | TOPICS | CONTENTS | BEHAVIOAL OBJECTIVES | QUESTIONS |
| 1 | Identification and description of farm animals | i. ability to identify, draw and label each animals  ii. identification of each breed | By the end of the lesson students should:  -Identify at least 8 breeds of the following animals  Cattle, sheep, goat, pig, and rabbit. | Outlines 5 differences between the following breeds of animals  i. Red bororo and White Fulani breed of cattle  ii. Landrace and large white of breeds of pig  iii. Kano brown and broad tailed goat breed of goat  iv. Norfolk giant and Flemish giant breed of rabbit |
| 2-3 | Tools and equipment used in managing farm animals | i. identification of tools and their uses l/stock management in eg (pan, trowel, shovel/spade, hammer, screw driver, spanner,)  ii. identification of tools used in brooding room eg (cool port, kerosene stove, electric bulb, hoovers, feeders, drinker thermometer, hygrometer etc)  iii. identification of milking tools and their uses eg (milking machine, cheese cloth, milking chute, milking testing cup, drenching bottle, milking pail, etc)  vi. identification of slaughtering tools and their uses eg ( cutlass, knife, stunning gun, electric shocker, de-feathering machine, eviscerator, converor, ) | -Identify different tools and equipment’s that are used in managing animals  -Outlines maintenance of each equipments. | 1. State 3 equipment’s that are used to perform the following operations on the farm  i Branding ii. Castration  iii. Feeding iv. Milking  v. Slaughtering  vi. Brooding  b. Outlines 3 maintenance measures of each equipment’s in 1a above.  2. What is candling?  ii. Outline 3 important of this operation to a poultry farmer.  B. State 2 uses of the following equipment in poultry farm:  -thermometer  -hygrometer.  3. With reasons briefly explain why it is necessary to use the following equipment during slaughtering of animals:  -stunning gun  -electric shocker. |
| 4-5 | ENVIRONMENTAL PHYSIOLOGY | -Meaning of environmental physiology  -Effects of changes in climate such as .Temperature, Relative Humidity, Light, Growth, Reproduction, Milk production, Egg production | -State effects of the following environmental factors on animal production. | 3. What is environmental physiology?  b. Outlines 5 positive and negative effects of the following environmental factors on animal production  i. Sun light  ii cold day  iii. relative humidity  iv Rain fall  v. Light |