OVERVIEW

AGRICULTURE YEAR 7 2020

TERM TOPIC SOILS

WEEK SUB TOPIC COMMENTS

1 Introduction to soils Notes

 Soil formation

2 5 Agents of rock weathering Notes and diagrams

 A soil profile. Diagrams. Main

 Features of a soil profile

3 Soil composition. Rock particles. Notes and diagrams

 Experiment to determine how soil

 Particles settle down according to

 their density. Diagrams.

4 Soil texture. Properties of sand and Notes and diagrams

 Clay soils. Experiment to show soil

 Texture, Organic matter. Importance

 Of organic matter.

5 Soil Structure-good and poor soil structures. Notes

 Reasons for having good structures. How to

 Improve soil structure. How soil structure may

 be damaged.

6 Soil Organisms –Earthworms, Snails and slugs, Notes

 Microbes, Millipedes. Soil air-importances

7 Soil water. Importance of soil water. How Test No 1

 water moves in the soil. Diagram to show water

 moves in the soil.

8 Plant nutrients. Major and Minor elements. Notes

 Plant nutrient deficiencies.

9 Adding nutrients to the soil. Types of Organic Notes

 Fertilizers –composts, green manures, animal

 Manures, Blood and bone manure, Wood ash

 Mulch. Types of Artificial fertilizers.

10 The movement of Nutrients in the soil. Test No 2

 Nutrient Cycle Draw and explain using diagrams

 How nutrients can enter and leave the soil.

11 Vocabulary list revision

12 Revision

 13 Revision and questions. Holiday assignments

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Term 2 overview COMMENTS

WEEK 1 Draw the diagram of a flower and label the parts. Take notes

 List the functions of the various parts. Draw and

 Label parts of a narrow and a broad leaf and give

 the functions. Explain transpiration process.

 2 Explain the process of photosynthesis. Describe the Take notes

 Process of respiration. Explain the functions of stems.

 3 Draw diagrams and explain stem tubers, rhizomes, Take notes

 Corms and stolons. Give 2 functions of roots.

 4 Differentiate between tap roots, fibrous roots, swollen Take notes

 Taproots and root tubers. Draw and label a flower.

 5 List the functions of the flower parts. Differentiate

 between self and cross-pollination. Explain how

 fertilization takes place

 6 Explain the 4 methods of seed dispersal. Draw 4 kinds TEST

 of fruits label the parts and examine some fruits.

 7 Discuss two types of seeds monocots and dicots and

 explain. Looking at parts of a seed and food storage.

 Study different types of seeds.

 8 Explain the 3 conditions for seed germinaton. Explain the

 3 stages of germination. Use of diagrams for explanation.

 9 A glossary of difficult terms used in plant biology. Provide

 Explanatory notes and examples.

 10 Revision and test

 11 Revision week

 12 Revision week

 13 Revision and assignments. End of term 2.