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.