

**SUVA SANGAM COLLEGE**  
**AGRICULTURE SCIENCE: YEAR 10**

**Week:1**

**STRAND AS 10.3**

**SUB STRAND AS 10.3.1.2 ( refer to your Textbook pg 42-45)**

**Lesson 1: SOIL EROSION**

**Lesson Outcome**

- i) Define soil erosion
- ii) List the agents of soil erosion.
- iii) Identify types of soil erosion

**SUMMARY NOTE**

Soil is a valuable resource and it needs to be protected from being lost. A farmer can protect the soil from being washed away by decreasing the amount and speed of water or wind, avoiding the damage to soil structure and increase organic matter content and providing vegetative cover.

**LESSON ACTIVITY**

1. Define the following terms:

a) Water erosion: \_\_\_\_\_  
\_\_\_\_\_

b) Run-off: \_\_\_\_\_  
\_\_\_\_\_

2. Name **two** agents of soil erosion.

i) \_\_\_\_\_ ii) \_\_\_\_\_

3 Identify **four** types of soil erosion.

a) \_\_\_\_\_ b) \_\_\_\_\_

c) \_\_\_\_\_ d) \_\_\_\_\_

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**Week:2**

**STRAND AS 10.3**

**SUB STRAND AS 10.3.1.2 ( refer to your Textbook pg 46)**

**Lesson 2: SOIL CONSERVATION**

**Lesson Outcome**

a) Define soil conservation

**SUMMARY NOTE**

Soil conservation are practices are tools used by farmers to prevent soil degradation and build up organic matter. Reasons for soil conservations are: to maintain an adequate amount of organic matter, to ensure a secure food supply at reasonable prices and to save farmers money.

**LESSON ACTIVITY**

1. List five soil conservation practices that can be practiced by farmers to conserve soil resources.

- a) \_\_\_\_\_ b) \_\_\_\_\_  
c) \_\_\_\_\_ d) \_\_\_\_\_  
e) \_\_\_\_\_

2. Define the following terms:

i) soil conservation: \_\_\_\_\_

ii) soil productivity: \_\_\_\_\_

3. State three reasons why should soil conservation be practiced.

i) \_\_\_\_\_  
\_\_\_\_\_

ii) \_\_\_\_\_  
\_\_\_\_\_

iii) \_\_\_\_\_  
\_\_\_\_\_

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**Week:3**

**STRAND AS 10.3**

**SUB STRAND AS 10.3.1.2 ( refer to your Textbook pp 47, 48)**

**Lesson 3: CONTOUR FARMING**

**Lesson Outcome**

- a) Define soil conservation
- ii) State reasons for contouring

**SUMMARY NOTE**

Contour farming is farming across the slope to reduce the speed of water



**LESSON ACTIVITY**

1. Define the term “**contour**”.\_\_\_\_\_.
2. State two reasons why practice contour farming on cropland.  
i)\_\_\_\_\_
- ii)\_\_\_\_\_
3. Name three crops that can be grown on contours.  
i)\_\_\_\_\_ ii)\_\_\_\_\_ iii)\_\_\_\_\_

**SUVA SANGAM COLLEGE**  
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**Week:4**

**STRAND AS 10.3**

**SUB STRAND AS 10.3.1.2 (refer to your Textbook pg 48, 49)**

**Lesson 4 TERRACE FARMING**

**Lesson Outcome**

- a) Define terrace
- ii) State reasons for terracing

**SUMMARY NOTE**

Terrace farming is cutting slopes in to steps so that the horizontal surface is used for planting. This reduces the speed of water coming down the slope.



**LESSON ACTIVITY**

1. Define the term "Terrace". \_\_\_\_\_  
\_\_\_\_\_
2. Where terrace farming is practiced?  
\_\_\_\_\_
3. State **two** reasons for practicing terrace farming.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
4. Name four crops that can be grown on terraces.  
i) \_\_\_\_\_ ii) \_\_\_\_\_  
iii) \_\_\_\_\_ iv) \_\_\_\_\_

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**Week:4**

**STRAND AS 10.3**

**SUB STRAND AS 10.3.1.2 (refer to your Textbook pg 48, 49)**

**Lesson 5 MINIMUMU TILLAGE**

**Lesson Outcome**

- i) Define the term “**minimum tillage**”.
- ii) Explain importance of minimum tillage.

**SUMMARY NOTE**

Minimum tillage is planting in the soil without a lot of disturbance to the soil. It leads to an improved soil structure and organic matter content of the soil.



**LESSON ACTIVITY**

- 1. Define the following terms:
  - a) Minimum tillage: \_\_\_\_\_  
\_\_\_\_\_
  - b) Direct drill: \_\_\_\_\_  
\_\_\_\_\_
- 2. Discuss the importance of minimum tillage.  
\_\_\_\_\_  
\_\_\_\_\_
- 3. Name two crops that can be grown under minimum tillage.
  - i) \_\_\_\_\_
  - ii) \_\_\_\_\_