

**PENANG SANGAM HIGH SCHOOL**  
**P.O.BOX 44, RAKIRAKI**  
**LESSON NOTES**

**School: Penang Sangam High School**  
**Subject: Agricultural Science**  
**Year/Level: 11**

**Week 11**

<b>Strand</b>	Strand as 11.3 Agronomy
<b>Sub Strand</b>	Sub-strand 11.3.1 Soils
<b>Content Learning Outcome</b>	Demonstrate the assessment methods used in determining the physical properties of the soil.

**LESSON 2: CLASSES OF SOIL TEXTURE [Textbook Reference: Pg 84]**

*LESSON OUTCOME: At the end of this lesson the student will identify the classes of soil texture.*

**NOTES**

**Agricultural soils are divided into textural classes according to their physical texture:**

- ✓ Course textured soil - comprised primarily of medium to large size sand particles
- ✓ Medium textured soil - comprised of equal amounts of sand, silt and clay
- ✓ Fine textured soil - comprised of tiny clay particles

**Student Activity**




1. State the three classes of soil texture.

- a) \_\_\_\_\_  
\_\_\_\_\_
- b) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- c) \_\_\_\_\_  
\_\_\_\_\_

**LESSON 3: DETERMINING SOIL TEXTURE [Textbook Reference: Pgs 85 - 87]**

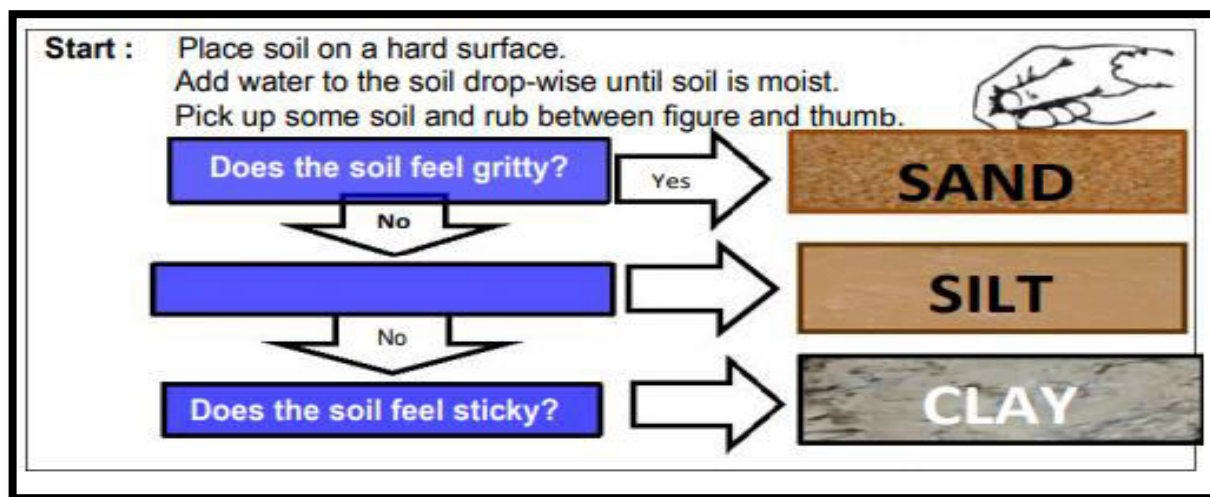
*LESSON OUTCOME: At the end of this lesson the student will practise at least one method of determining soil texture.*

**NOTES**

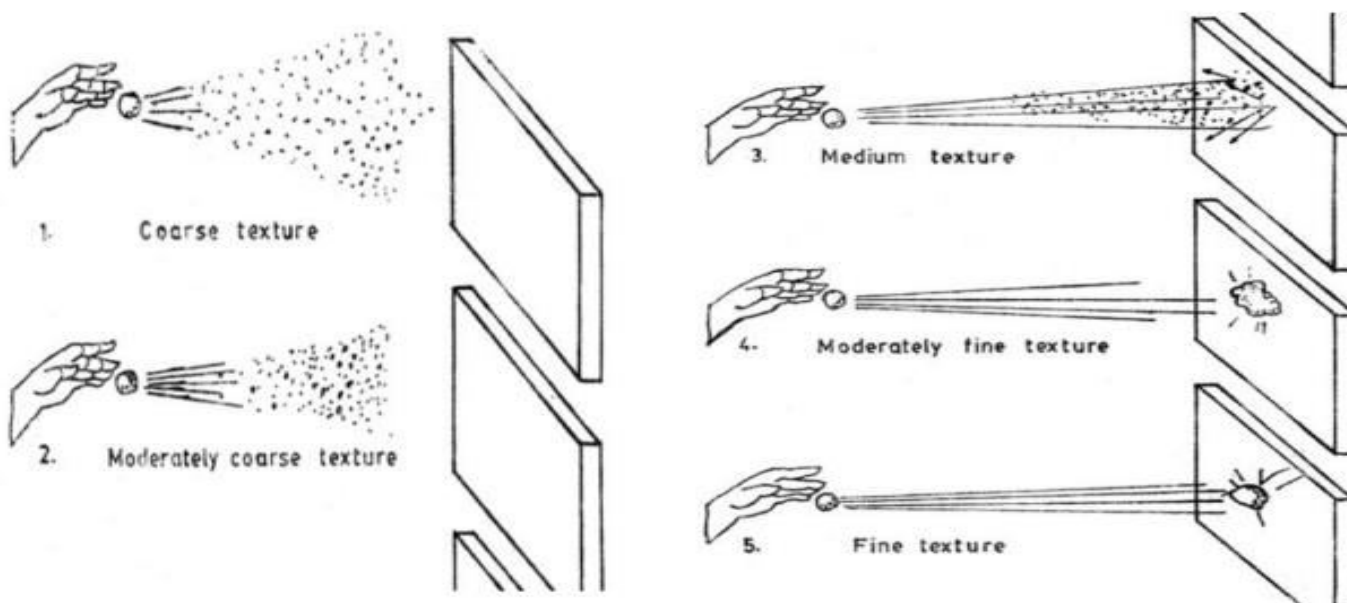
-  Gritty - textures that are rough to the touch or consisting of large particles
-  Smooth - having a surface free from roughness or bumps or ridges or irregularities
-  Sticky - having the property of adhering

*There are five methods used to determine the texture of a soil thus we will discuss two.*

**Method 1: Feel Method:** This test is suitable for the field. It will give a rough idea of the texture of the soil.



**Method 2: Ball Throwing Method:** The texture of the soil can be inferred by the way a ball of soil acts when it is thrown at a hard surface such as a wall or a tree.



### Practical Activity

You are required to select two soil samples from your compound. Once you have collected the samples than use the above methods to determine the soil texture of the sample taken. Note the result in the space provided below.


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