

MERUVAMBAYI. M. U. P. SCHOOL

WORKSHEET -1.3

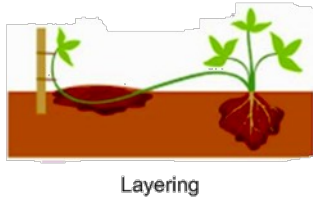
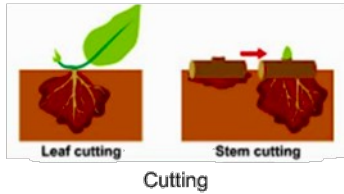
Reaping Gold From Soil

Basic Science

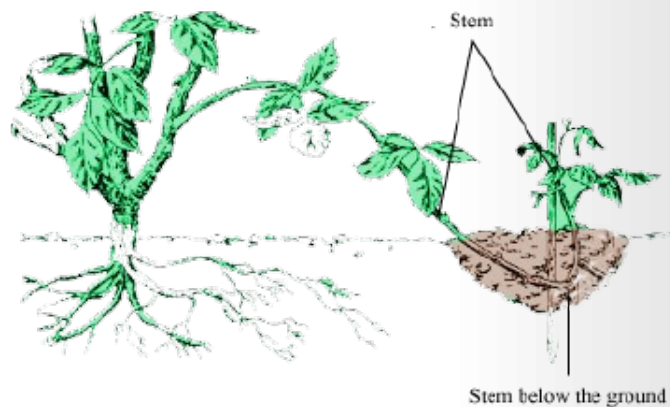
25/06/20

VII Std





In our previous class we have discussed about Layering, to produce a new plant with all the qualities of the parent plant, its merits and demerits....



Yesterday Gopu's father bought some mangoes....It was very tasty....His father told that, it was neelam mango. Then Gopu thought, how can I get these type of mangoes at my home? How nice it will be then....

How can you help Gopu?

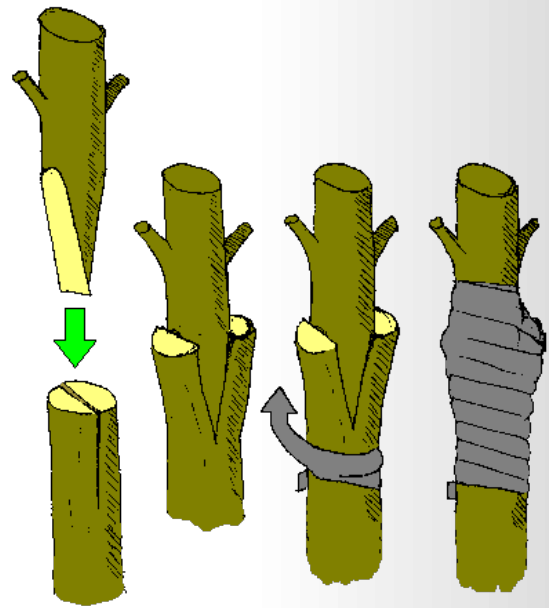
Can you suggest some method for producing desired quality plants at our home?

I want this type of mango at my home .What to do?

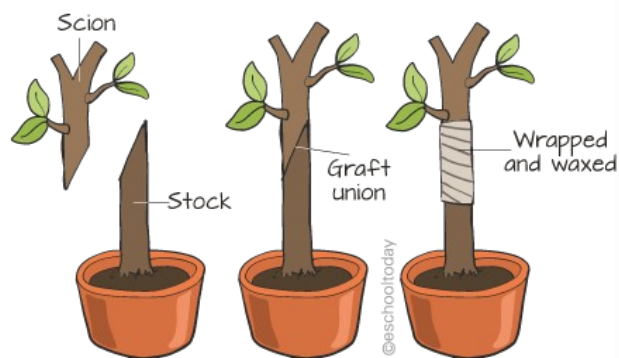


Grafting is a method used to produce superior quality plantlets.

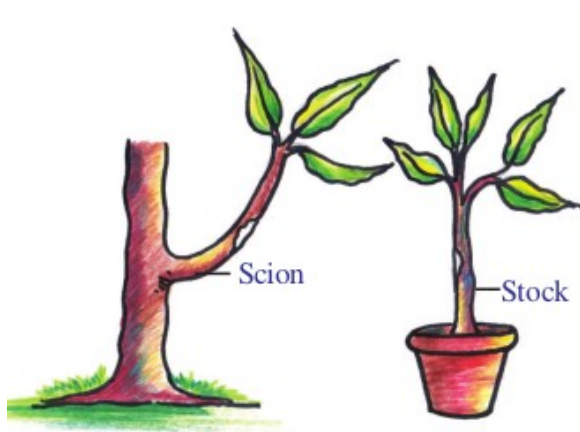
This method is practised from ancient times. Superior quality plantlets are produced by joining the stems of two plants of the same species.



CLEFT (OR TOP WEDGE) GRAFT



*The rooted plant selected for grafting is called **stock** and the branch selected for grafting is called **scion**.*



The features of grafting is given below.....

- *Grafting is the fastest way of growing popular, desirable varieties of fruiting trees and flowering shrubs on a large scale.....*
- *New varieties cannot be developed.*
- *Many commercially valuable plants respond well to grafting.*
- *They require specialized skill.*
- *Grafting is the process of connecting two different plants so they grow as one*
- *Spread of viral diseases may occur through this method. The life span of grafted plants is short.*
- *To allow scion cultivators to retain their desirable leaf, floral, or fruit characters, without the risk of these being lost through sexual reproduction*





Some grafted plants

Activity 1:

Graft the branch of any other varieties of mango tree on an indigenous variety of mango tree and write the procedure.....

Activity 2:

We have discussed the features of grafting.....among them list out the merits and demerits of grafting.....

<i>Merits</i>	<i>Demerits</i>

Activity 3:

- a) *Write down the types of plants in which grafting is effective....*
- b) *What is stock and scion in grafting plants?*
- c) *Write down the types of grafting....*

Refer the worksheet well and note down all the points.....

Write all the important points in your science note book and send only activities to me.....

