

GREENHOUSE WORK - WORK PERFORMANCE BENCHMARKS

Client's Name: _____ Date: _____

ITEM # 1710

Trial Number 1 2 3 4 5 6 7 8 9 10

Overall Rating: 1 2 3 4

Performance Scale

Activity 1 - Testing Seed for Germination

- (a) Placed filter paper in bottom of petri dish.
- (b) Dampened filter paper with a small amount of water.
- (c) Placed 10 seeds on filter, and put lid on dish.
- (d) Placed dish in sun and kept damp.
- (e) Calculated germination percentage after five days.

1.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				
(d)				
(e)				

Activity 2 - Mixing Potting Soil

- (a) Measured one cup of soil, one cup of peat moss, and one cup of vermiculite into mixing pan.
- (b) Mixed ingredients well with trowel
- (c) Covered pan with plastic film wrap.

2.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				

Activity 3 - Growing Plants from Seed

- (a) Placed 4 1/2" pot in mixing pan, filled pot using the trowel, tapped pot lightly on a table, and used the bottom of the 2 1/2 pot to press the soil down.
- (b) Sprinkled some seeds on the soil, spacing them; shook soil, using a strainer, to provide a cover twice as deep as the size of the seed.
- (c) Watered soil until moisture showed on the surface, covered pot with plastic, and placed in light.

1.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				

Activity 4 Transplanting

- (a) Mixed equal parts of peat moss, soil, and vermiculite in the mixing pan.
- (b) Filled five 2 1/2" pots and placed them in the draining pan.
- (c) Manipulated the wooden pot label to lift the seedling from the pot.
- (d) Held seedling in one hand, made a hole in the soil of 2 1/2" pot.
- (e) Placed the seedling in the hole up to the leaves, pressed soil firmly around the seedling with thumb and forefingers.
- (f) Transplanted four more seedlings following procedures.
- (g) Watered plants.

4.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				
(d)				
(e)				
(f)				
(g)				

Activity 5 - Stem Cutting

- (a) Placed one stem cutting in a jar or glass filled with water.
- (b) Filled 2 1/2" pot with sand and poured water in.
- (c) Manipulated wooden pot label to make a hole in the center of the sand, put cutting into the hole and pressed sand firmly around it, and placed the pot in a plastic bag.
- (d) Filled 2 1/2" pot with perlite or vermiculite to the top and wet the material
- (e) Manipulated the wooden pot label to make a hole, placed the cutting into the hole and pressed the vermiculite firmly around the stem.
- (f) Compared roots after several weeks.

5.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				
(d)				
(e)				
(f)				

Activity 6 - Other Plant Propagation Methods

Rex Begonia

- (a) Placed peat moss or sand in 4 1/2" pot, wet the medium.
- (b) Manipulated a knife to cut a large, healthy leaf from the parent begonia plant leaving about 3/4" of the leaf stalk.
- (c) Manipulated a knife to cut the largest vein completely through.
- (d) Placed leaf top side up on the wet medium in the pot, stuck the leaf stalk into the medium; used hair pin to hold leaf in place.
- (e) Covered the pot with plastic wrap and placed the pot out of bright light.

1.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				
(d)				
(e)				

African Violet

- (f) Put peat moss, sand or vermiculite in the 4 1/2" pot and wet the medium.
- (g) Removed a leaf with at least 2" of leaf stalk from the parent plant.
- (h) Pushed the leaf stalk into the medium to one-half its length.

Sedum, Jade Plant or Echeveria

- (i) Mixed soil and sand together, put in a small pot and dampened.
- (j) Removed a leaf from the parent plant, stuck leaf stalk into the medium and kept medium relatively dry.

Division

- (k) Removed plant to be divided from pot.
- (l) Manipulated hands to separate the roots carefully, placed each division in a pot of its own, filled with soil mixture to the top of the pot, and watered each plant.

(f)		
(g)		
(h)		
(i)		
(j)		
(k)		
(l)		

Activity 7- Graftage

Myrtillocactus & Zygocactus or Trichocereus & Zygocactus

- (a) Manipulated the knife to make a slit in the top of the myrtillocactus or the trichocereus.
- (b) Manipulated the knife to cut off the top of the zygocactus, to cut a sliver off the base of its stem, and placed the zygocactus in the slit.
- (c) Manipulated the rubber band around cactus to hold the grafting in place.

Notocactus & Trichocereus or Pilocereus and Cereus

- (d) Manipulated the knife to slice off the top of both cactus plants.
- (e) Placed the top of the notocactus or pilocereus on the cut place of the trichocereus or cereus.
- (f) Manipulated string and also used cactus thorns to tie the two pieces together.

7.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				
(d)				
(e)				
(f)				

Activity 8 - Building a Small Greenhouse

- (a) Bent floral wire into a curve.
- (b) Placed wire in box, one piece at each end.
- (c) Filled box with soil and planted seeds/plants.
- (d) Watered plants.
- (e) Covered with plastic wrap, leaving one end loose.

8.	1	2	3	4
	Yes		No	
(a)				
(b)				
(c)				
(d)				
(e)				