

Grade-2 Science Project (Winter Holiday Assignment)

Choose any one project and upload picture of your plant.

This project hold 10 marks for the subject (CA marks for Term 2).

Submission date for assignment (09.01.21)

1.Observe the growth of bulb(onion) over time

Materials

- Clear cup or container for planting
- Marbles, stones or pebbles
- Water
- Onion
- Cotton



Procedure for Observing Plant Growth with Bulbs (onion)

- **Create 2 sets- one to be kept in light and one in darkness.**
1. Fill a clear container about 3/4 full with rocks, marbles, or pebbles.
 2. Place the onion on top. (Be sure you put the onion in the container root side down.)
 3. Fill the glass with water until it's just barely covering the bottom of the bulb (onion).
 4. Place the bulb (onion) in a sunny window.
 5. Continue observing the bulb (onion)/each day and watch what happens. Be sure to add water to the container as the water level begins to go down.
 6. Keep one onion plant in sunny window and one in dark place. Record your observation on attached sheet.



Science Assessment Rubrics

COMPONENTS	Excellent 5	Proficient 4	Satisfactory 3	Developing 2	Emerging 1
APPLICATION SKILLS(ACT, Experiment activity)	<ul style="list-style-type: none"> • Student has an excellent understanding. Uses effective strategies to get accurate results and conclusions. 	<ul style="list-style-type: none"> • Student application of the concept is clearly evident, uses strategies to get results, and shows logical thinking to arrive at conclusion. 	<ul style="list-style-type: none"> • Student understanding of the application is evident. They show thinking skills to arrive at a conclusion. 	<ul style="list-style-type: none"> • Student has limited understanding of the concept. Uses applications that are ineffective. Attempts to show thinking skills. 	<ul style="list-style-type: none"> • Student shows no understanding of the application of the topic.
Date: 9 th Jan 2021		Topic: Plant growth with bulb			

2. GROWING BEANS ON COTTON BALLS

- Create 2 sets- one to be kept in light and one in darkness.

All you need for this easy activity is a glass jar or bottle, some cotton wool balls and beans. First of all put cotton wool balls into a glass jar/plastic glass. Then put few beans/mung seeds in glass. Watered it until the cotton wool will damp but not too wet, and placed the jar in the window. The seeds will grow after 4 or 5 days. . Keep one plant in sunny window and one in dark place. **Record your observation on attached sheet.**



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