

BOTTLE GARDENING



Estimated time: 1 hour

OBJECTIVES

- To reuse plastic bottle
- To handle sharp objects properly
- To enhance measurement skills
- To differentiate seed types
- To explore creative and innovative ideas

MATERIALS REQUIRED

Used Plastic bottle, Scale, Marking pen/ Sign Pen, Paper cutter, Scissors, Electric tape/ cello tape, Soil, Seeds of different plants you want to grow in the bottle. (Coriander), Water

Optional

Paint colors, Paint brush, Palette, Scrap paper/ Newspaper

PROCEDURE

- Take a clean and dry bottle of any size, it would be better if it is of 2 liter. Measure a bottle with a scale up to (6-8) and mark it. You can also use the bottle width wise/transversely as well as length wise/longitudinally but you will have to realize the roots will have relatively less space for growth than using the bottle longitudinal.
- Use paper cutter to cut mark line or you can use scissor if you are not use to with paper cutter.
- It depends on you whether you want simple or attractive bottle gardening. If you want to make your bottle more attractive, make an outline with beautiful design using acrylic paint colors. Let it dry for 5-7 minutes.
- Now, put good quality of soil partially in the bottle. When soil is adjusted in the bottle. You can turn it with small wooden stick, to let air inside.
- For plantation dig small hole with finger to make space for sowing seeds. Use wooden stick base to dig if you have soil allergy.
- It is ready to sow seeds. Be careful while sowing seeds because sometime seeds may fall. Use only one seed if seeds are big and use two to three seeds if seeds are small. After sowing seed cover it with soil and water it. (Reason for covering: Bird may eat it and wind can migrate it)
- Prepare seed tag including seeds name, germination period, harvesting period and few important uses of the plant adding figure of mature plant for plant identification.
- Place it in the area where it can get enough sunlight and air. Within a few weeks or month it will be ready to harvest.

BB Bottle gardening steps



Important points

- Be careful while using sharp objects
- Vegetables, Herbs and Fruits can be grown in bottle gardening because shrubs and trees require more space
- Condition required for bottle gardening: Good quality of soil, Sunlight, Durability and Irrigation
- Place it in the area where it can grow healthily
- If it gets infected by any harmful insects then you can use organic pesticides like Neem spray, Baking soda spray, Vegetable oil spray and Vinegar spray only after insect identification