

HYDROPONICS!

With this incredible hydroponics experiment, get ready to witness the magic of speedy plant growth!

Your mini-garden will transform into a lush oasis, nurturing healthier, happier plants. Say goodbye to seasonal gardening, as hydroponics takes you on a year-round, water-efficient adventure!



MATERIALS

- Modeling Clay
- String
- Scissors
- A plastic bottle
- Tape
- Wooden Skewers
- Bean Seeds
- Water
- Cotton Balls

PROCEDURE

1. Using your scissor, cut five pieces of string about the same length as the bottle.
2. Carefully cut a 2 inch section from the middle of the bottle. The top and bottom will become our container for the experiment but the cut out section can be recycled! Tape over the sharp edges to protect yourself.
3. Turn the top section upside down and place it inside the bottom. This provides a place for the seeds to grow and will stop the water from evaporating.
4. Pour water into the planter so it fills the bottom almost up to the bottle's neck. The water should be about 4 inches deep.
5. Setting aside one of the pieces of string, feed the other four through the opening of the bottle, leaving a couple inches in the above section and several below.
6. Put several cotton balls into the top of the planter, and nestle a few of the bean seeds into the cotton balls.
7. Put a small ball of modeling clay onto the end of each skewer. Stand the three skewers on end and cross the tops of them. Use the fifth piece of string to tie them together. This will create a tripod which will support our bean plant as it grows.
8. Put the skewer tripod into the top of the planter and then place your bottle in a sunny area.
9. After a few days, the seeds should germinate; breaking open and spreading their roots to begin the growth process! When your bean plant has sprouted roots, move it to a planter with soil, fertilizer, and then keep it watered.

