

TAKE AND MAKE KITS

Build a Mini Greenhouse



The supplies included in this kit are:

- Seeds and Soil blocks
- Balsa wood stick (7 long and 14 short)
- Plastic (about 3 pieces)
- 3/4 in X 11/16 in hinges (2 counts)
- Glue gun and glue sticks.

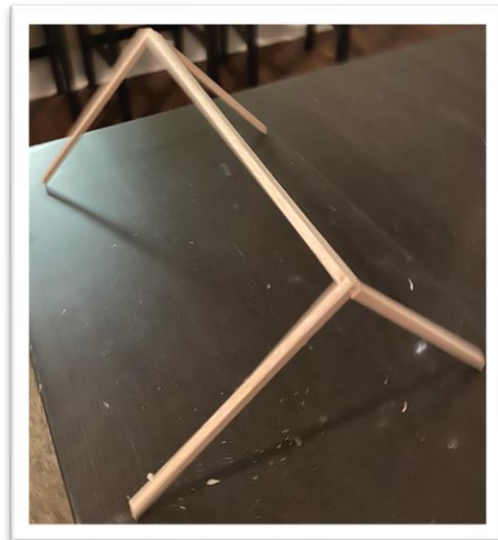
You'll need these items to start

- Water
- Scissors
- X-Acto Knife
- Piece of cardboard for the bottom.

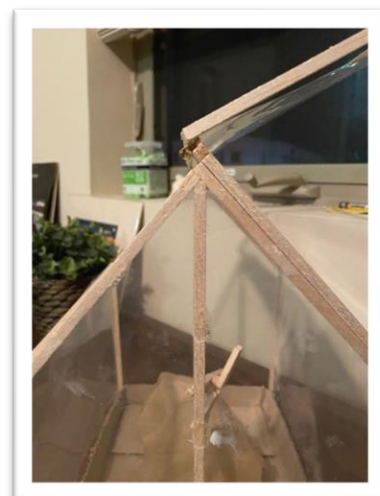
Program

The plan for this project is to build a miniature greenhouse that can be used both indoors and outdoors. The actual structure will be 16in X 16in X 8in big. We will add hinges on one of the roof windows to make a door so we can open it to water the plants. This structure will be perfectly surrounded to block the rain and accept the sunlight, so it will be fit to use both indoors and outdoors.

1. To start making the walls, use the hot glue gun to glue together two long wood sticks and two short wood sticks to make a rectangle.
2. Made a second rectangle the same way.
3. Use two short pieces of wood to connect the two rectangles, making an upright, u-shaped structure. These are the walls of the greenhouse.



4. Next is building the roof frame and the door. Glue one long piece of wood and two short pieces to make a U shape. Then make a roof shape by gluing two more short pieces at a right angle to the corners of the shape you just made.
5. Glue the roof frame on top of the walls.
6. To make the door, glue together two long pieces and two short pieces to make another rectangle. Add hinges to one of the long sides, then attach the door to the roof by gluing the other side of the hinges to the top edge of the roof.



7. Last is attaching the plastic. Cut plastic to fit each of the walls, the closed side of the roof, and the door, then glue it all to the structure.
8. Using approx. $\frac{1}{4}$ cup of water, pour into the soil blocks provided.

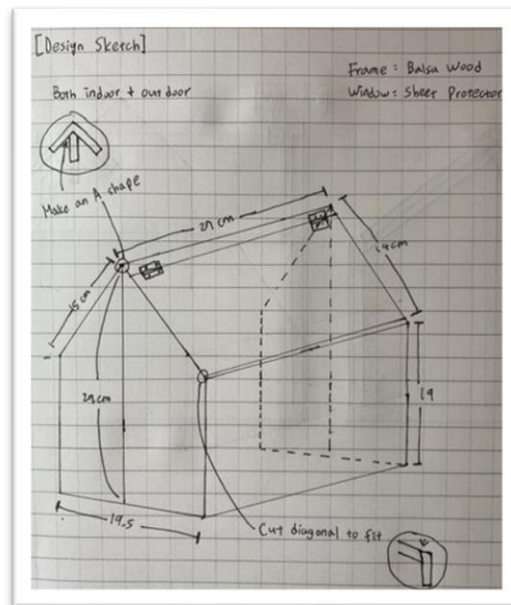


9. Add between 4 to 5 seeds in each soil block, keep them moist, in the miniature greenhouse. Use a piece of cardboard for the floor.
10. Wait about 7 to 10 days till you see the seeds germinated.

Artificial ecosystems are human-made environment that are designed to function as a unit and are comprised of humans, plants, and animals.

Imagine if this structure is as big as your height and you actually can get inside of this structure.

Remember to be creative! Perhaps you could create a different design of the greenhouse, draw it first and then build it.



What next?

If you enjoyed this kit, here are some other instructions from Instructables:

- <https://www.instructables.com/DIY-Miniature-Greenhouse/>

Stay tuned for more Take and Make Kits.