

Don't Burst My Bubble

Problem To create a large classroom habitat

- Procedure** To make the biome bubble:
1. Fold tarp in half, lining up the sides as evenly as possible.
 2. Using strong tape, such as duct tape, tape the two pieces of tarp together on both shorter sides of the tarp. See diagram 1.
 3. On the longer side of the tarp, leave an opening large enough to fit the box fan plus 1-meter. See diagram 2.
 4. Place box fan at the far left of the opening in the tarp so that the air from the fan is blowing into the bubble. See diagram 3.
 5. Tape the top layer of the tarp to the top of the box fan.

Materials

large, clear, thick,
 plastic tarp
 strong tape
 box fan
 various art supplies
 tape
 string
 hole punch

- To create the habitat:
1. Have the class decide which habitat they would like to create.
 2. Divide the class into groups to research the various aspects of the habitat. One group might be assigned to plants, another to animals, and so on.
 3. Have the students artistically create the plants, animals, and physical characteristics of the habitat.
 4. Use the fan to blow up the bubble and either have the students or the teacher place the plants, animals, and other items created in the bubble. Use tape and/or string to suspend items from the top of the bubble.
 5. Invite other classes or parents to tour your habitat.

- Extension**
1. Use this large habitat to discuss and show how basic needs are met within a habitat.
 2. Create a Martian habitat bubble!
 3. Create a "hallway" habitat. Invite other classes to join you, with each class creating a different habitat.

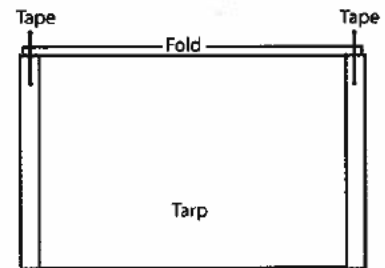


Diagram 1

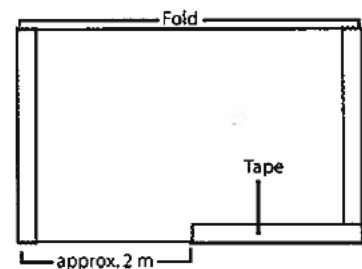


Diagram 2

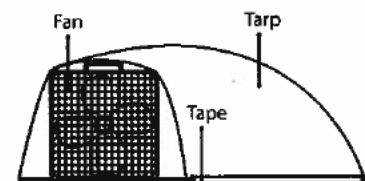


Diagram 3