

Materials

Body

1. 4'x8'x½" plywood (1)
 - a. Lowes- Blondewood Birch: \$34.27
2. 2"x4"x8' boards (2)
 - a. Lowes: \$3.07 each
3. Locking casters (4)
 - a. Lowes- Waxman 2-in Rubber Swivel Caster: \$4.18/caster
4. Wooden door knobs (3)
 - a. Lowes- Brainerd Light Brown Round Cabinet Knobs: \$0.90 each
5. Hinges (3)
 - a. Lowes: \$2.97 each

“Stations”

6. Sensory Table
 - a. PVC pipes and connectors: Lowes
 - i. 5' x ¾" PVC pipe (4): \$2.28/pipe
 - ii. ¾-inch PVC side outlet elbow/3-way connector (8): \$1.60/connector
 - iii. ¾-inch PVC elbows (2): \$0.42/connector
 - iv. ¾-inch PVC tees (2): \$0.50/connector
 - b. Storage bins (4): Target
 - i. Sterilite 16 quart bins: \$2.99/bin
 - c. 5 lb bag of rice (2)
 - i. Walmart: ?
 - d. 50-lb bag Play Sand (1)
 - i. Lowes: \$4.15
 - e. 42 oz. container of oats (1)
 - i. Walmart: \$2.48
 - f. Easter Grass (4 bags)
 - i. Goodwill: \$0.25/bag
 - g. Toys- variety of thrift stores, Dollar Tree
7. Lacing cards
 - a. Shoe strings (4)
8. Pom-pom drop
 - a. Leftover PVC pipe
 - b. 100-count pom-poms (2): \$0.97 each
 - c. Plastic tweezers (2): \$1.00 each
9. Velcro: \$5.00
10. Whiteboard (1)
 - a. Dollar Tree: \$1.00
11. Letter and number match
 - a. Yard sticks: \$0.97
 - b. ABC/123 stickers: \$0.94

Instructions

Step-by-step guide

1. Purchase all materials listed on the previous page.
2. Cut the 4'x8' plywood into one 4'x6' and two 4'x1' pieces. The two smaller pieces will be used as side panels to prevent children from getting the supplies behind the wall.
3. Draw on 3 doors and use a jigsaw to cut them out. The door in the upper left corner is 8.5"x11" and is 6" from the top and 7.5" from the left side. The door in the middle is 10"x14" and is 2'5" from each side and 22" from the ground (19.5" from bottom). The door in the lower right corner is 7.5"x9.75" and is 6" from the bottom and 7.5" from the right side. The doors will be secured after the structure is put together.
4. Build the base of the wall. I used two 2"x4"x27" pieces and four locking casters. I placed the front wheels at the front of the board and the back wheels at the back of the board. If you don't plan to move the wall around, casters are not necessary for this project.

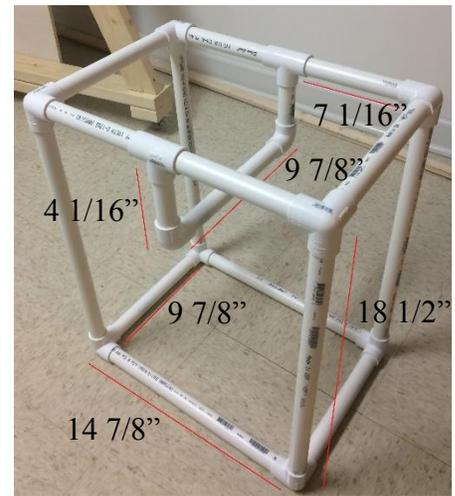


5. I screwed the front panel into the front side of the base. I screwed the side panel into the outside edge of the base. I added a 2"x4"x1' piece of wood at the top, inside, to secure the front and side panels to each other. I attached two 2"x4"x4' pieces at an angle to create a support at the back of the structure, one on each side.
6. Wooden door knobs were screwed into each door. The doors were attached with 3.5" hinges. A small piece of wood was attached on the interior wall to prevent the doors from swinging backward.
7. Next, I attached two yard sticks, one on each side of the front panel. The yardsticks hang off the edge 1". Prior to screwing these on, I attached ABC and 123 stickers every inch. I wrote on each clothespin in Sharpie letters and numbers.
8. A 1/4" drill bit was used to drill 25 holes in a 4"x4" grid. 1/4" wooden dowel pins were inserted into each hole for the geoboard. Wood glue was used to permanently attach these into the wall. The grid is 11" from the left side and 26" from the bottom. Below the grid, a small file folder was attached with Velcro to hold rubber bands and laminated shape cards.
9. After the body was built, I stained the wall and painted the doors yellow. I hand-painted Sensation Station as the title on the top.
10. I painted the extra PVC pipes and attached them onto the wall with EMT straps. I hand-painted the color word above each pipe.



11. PVC Pipe Sensory Table

- Cut various lengths of 3/4-inch PVC pipe: four sections at 18.5 inches; two sections at 14 7/8 inches; five sections at 9 7/8 inches; four sections at 7 1/16 inches; and two sections as 4 1/16 inches.
- Purchase eight three-way 3/4-inch PVC elbows; two 3/4-inch PVC elbows; two 3/4-inch PVC tees.
- Assemble as shown



12. Sensory Bins

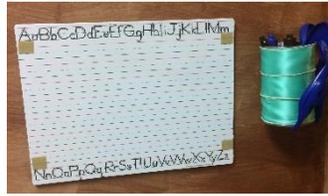
- In the first bin, put play sand. I filled it about halfway full. Next I put a variety of sand toys.
 - In the second bin, put rice. I used about 7.5 lbs. I hid a variety of toys in this bin for a seek and find.
 - In the third bin, I put oats. I used one 42-ounce container of oats. I hid a variety of toys in this bin for a seek and find.
 - In the fourth bin, I put 4 small bags of Easter grass. I pulled apart the grass to fill the bin. I took miniature eggs and wrote an uppercase letter on the upper half of the egg and a lowercase letter on the bottom half of the egg. I did this for the whole alphabet for an Alphabet Match game. I hid these egg halves in the Easter grass.
13. Cut chipboard into 3.5"x3.5" squares. Gather a variety of fabrics, such as carpet, denim, felt, etc. Cut those fabric pieces into 3.5"x3.5" squares and attach to the chipboard squares. I used hot glue. On the back, I wrote texture descriptions in Sharpie (silky, soft, rough, felt). Attach a small square of Velcro to the back of each sensory square in the center. The sensory squares are below the middle door, in the center of the board.
14. Drill a small hole into the side of an empty food can. I used a green bean can. Decorate the can however you want. I used mint colored ribbon. I attached the ribbon with hot glue, leaving an open space where the hole was. Use a screw to attach the can 2" from the right side and 32" from the bottom. This is next to the whiteboard as a marker can.

15. Feed the animals

- Frog: I used a parmesan container to make the frog. I peeled the label off, then I attached two small black pom-poms to the top with two googly eyes attached to those. The frog is 7" from bottom and 21" from right side, attached with Velcro.
- Shark: I used a Kleenex box to make the shark. I sketched out a shark to fit onto the box, I covered all side of the box except the front with blue paper, and then I traced the shark mouth onto the front. I traced the shark onto gray paper, cut out the shark mouth out from the box and the gray paper, and attached blue paper and the shark onto the front of the box. The shark is 20" from bottom and 20" from left side, attached with Velcro.
- Penguin: I used a bread crumb container to make the penguin. I wrapped the container in black construction paper. I used white paper to make an oval for the stomach, I used orange paper for the beak, and two googly eyes. I cut a slit in the lid for the laminated fish to fit through. The penguin is 7" from the top and is centered on the board, attached with Velcro.



16. I attached the whiteboard with Velcro, 6" from the right side and 10" from the top. The whiteboard is two-sided, so I put Velcro on both sides. This makes it reversible.



17. I cut out a piece of felt that was 10"x12". I cut four sleeves out for lacing cards to sit in. I hand-sewed the four sleeves onto the felt. I attached the felt behind the upper left door.



18. Behind the bottom right door, I attached laminated yoga poses with Velcro that can be changed out. I have five different yoga pages. See appendix.
19. A large file folder contains the extra yoga pages, the extra lacing cards, this manual, bags to place the clothespins in, extra sensory squares, and the seek and find instructions for the rice and oats bins.

Activities

1. Sensory Table

- a. Sand Bin: This bin contains sand toys for sensory exploration. The preschoolers can stand at the middle door and explore the sensory table behind the door. The sensory table can also be removed from behind the wall and used by itself.
- b. Rice Bin: This bin contains toys to find during a seek and find game. On a handout, there are names of the items inside the bin and pictures next to the words. This can help the preschoolers associate words with pictures.
- c. Oats Bin: This bin contains toys to find during a seek and find game. On a handout, there are names of the items inside the bin and pictures next to the words. This can help the preschoolers associate words with pictures.
- d. Easter Grass Bin: This bin is filled with Easter grass and Easter eggs. Each Easter egg is split in half. The top half of every egg has an uppercase letter and the bottom half of every egg has a lowercase letter. The kids will search the bin and find the uppercase letter and the lowercase letter and match them by completing the egg.

2. Lacing cards

- a. A variety of lacing cards were made. Each lacing card was printed and laminated. I used a one-hole punch to punch lacing holes around the edges. The preschoolers can open the upper left door to reveal 4 lacing cards. They can pick one of the lacing cards to complete. There are 15 lacing cards to be rotated from behind the door.

3. Yoga

- a. Behind the bottom right door are laminated yoga pose pages. There are 5 different pages to rotate from behind the door. The preschoolers can open this door to reveal the yoga poses. They can sit on the floor near the door and complete these poses. They should hold the poses for 10-20 seconds.

4. Pom-pom drop

- a. The pom-pom drop is used to encourage color matching and fine motor skills. The preschoolers use the plastic tweezers to pick up a pom-pom and drop it into the coordinating pipe. The egg cartons are used to hold the pom-poms and can be used to sort the pom-poms by color.

5. Feed the animals

- a. The shark has different fish and other ocean animals inside its mouth. The shark can be removed from the wall to get the fish out of its mouth. The preschoolers can use their fingers or the tweezers to feed the shark.
- b. The frog has cotton swabs and black pom-poms inside the container. The frog can be removed from the wall and the lid can unscrew. The preschooler can use their fingers or the tweezers to feed the shark. For a challenge, the opposite side can be used to feed the cotton swabs through the holes.
- c. The penguin has laminated fish inside the container. A slit was cut in the lid of the container for the fish to be fed through to feed the penguin. The penguin can be removed from the wall. I would remove the penguin to have the preschooler feed it. The lid can be removed to take the fish back out.

6. Writing station

- a. A two-sided whiteboard is attached via Velcro onto the front of the wall. One side has lines for writing practice. The other side is blank for drawing or writing. The teacher can write a letter or word on the board for the student to trace or copy. The child can draw shapes on the blank side of the whiteboard. The can with markers is next to the whiteboard. There are three different sized markers, depending on the need of the child, to improve grasp. (The tweezers are also located in the can).

7. Geoboard

- a. A 4"x4" grid of wooden pegs is used as the geoboard. Rubber bands and laminated shape pictures are inside the small file folder below the geoboard. The preschooler selects a shape out of the file folder. They take rubber bands out of the file folder and make the shape using one or more rubber bands. The teacher can also ask the preschooler to make a shape without the use of a picture.

8. Sensory swatches

- a. There is a 3x3 grid of sensory squares on the board. There are 27 different sensory squares that can be changed out. The preschooler can sit and feel the different textures. On the back of each one, a texture word is written to describe that texture. The preschooler can learn what different textures feel like. They can also be used to help the child get used to certain textures they do not like.

9. ABC/123 Match

- a. On the side of the board, there are two yardsticks attached. Each one has the entire alphabet and numbers 0-9. There are letters and numbers written on the end of clothespins. The preschoolers can match letters and numbers onto the yardstick.