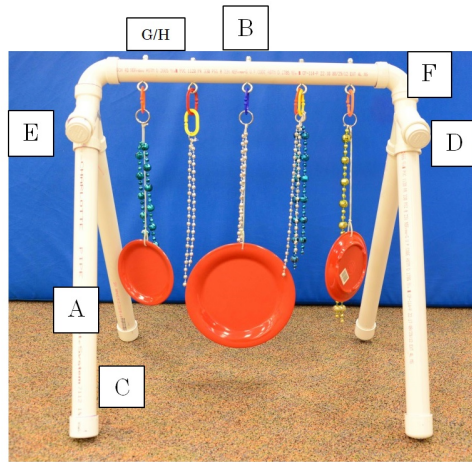


## Tips from Active Learning Space

[www.activelearningspace.org](http://www.activelearningspace.org)

### How To Make a PVC Mobile



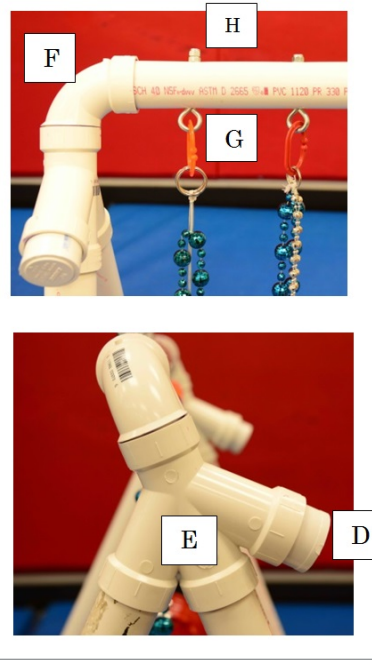
This mobile was constructed with 1 ½ inch PVC pipe. You can choose to use a different diameter. Make sure to select all pieces in the size you choose.

You will need:

- A - 4 PVC legs measuring 24 inches long
- B - 1 PVC center piece measuring 24 inches long
- C - 4 PVC end caps
- D - 2 PVC plugs
- E - 2 PVC double Wye fittings
- F - 2 PVC 90 degree street elbow fittings (each has one end male one end female)
- G - 5 eye bolts (3 ¼ inches in length for 1 ½ inch PVC)
- H - 5 locking nuts
- PVC primer and glue
- Saw
- Sandpaper
- Drill and Drill bit
- Sand (optional)

Purchase a 10 foot long piece of PVC pipe 1 ½ inch diameter and cut into five equal pieces each 24 inches in length. (This will make up the four legs and one center piece. (A & B) You can make the legs longer if you would like the mobile to be taller. Use sandpaper to smooth cut surfaces.

Preassemble all the pieces together to ensure the mobile will fit properly and all pieces line up. Prior to gluing anything – it is important that the center piece and the elbow and wye fittings are in alignment, or the mobile legs will be crooked. Clean all connection points with primer.



First glue the center piece (B) to the elbow fittings (F). When doing this, use a flat firm surface, such as a table. Make sure that the elbow fittings rest flat on the table.

Drill five holes through center piece equal distance from each other. (You will attach the eye bolts after the entire unit is assembled – so make sure the holes are large enough for the eye bolts to go completely through.) The eye bolt should be at the bottom, and the nut will go on top.

Glue the other end of the elbow fittings (F) to the double wye fittings (E). When doing this, use a flat firm surface such as a table. Make sure that the fitting rests flat on the table.

Glue one end cap (C) onto one leg (A). Repeat for the other three legs.

Optional Step: You can now fill the legs with sand, which will help maintain the stability of the mobile once assembled. The sand will add weight to the mobile. You can choose to eliminate this step, but the mobile can tip over more easily without the sand.

Glue each leg (A) to the double Wye fitting (E). Use the center hole of the wye fitting and one additional hole. (Make sure you glue the legs to the same holes on both sides.)

Insert the plug (E) into the empty hole on the double wye fitting (E). (You can opt to glue the plug into place.)

Insert the eye bolts into the holes and secure using locking nuts.

Your mobile is ready to use.

***For more information contact:***

Penrickton Center for Blind Children, 26530 Eureka Road, Taylor, MI 48180, Phone (734) 946-7500 or visit the Penrickton Center for the Blind website at [www.penrickton.com](http://www.penrickton.com).