

Hand-Held Hubble: PVC Model Shopping List

What is PVC?

PVC stands for polyvinyl chloride. It's often used to make plastic plumbing pipes. You can find PVC pipes in any hardware store that sells plumbing supplies. Since you need only a small piece of each size of pipe, see if they'll give you some cut ends or scraps.

Tools Needed

- Drill with 3/16" drill bit
- Saw
- Miter box (optional)
- C-clamp or vise
- Sandpaper or file
- Scissors or craft knife
- Stapler
- Ruler
- Pencil

Here's a list of the materials and tools you'll need to build your model of the Hubble Space Telescope:

2" PVC pipe, at least 6 3/4" long (A)

3" PVC pipe, at least 2 3/4" long (B)

3"-to-2" PVC bushing to connect the pipes (C)

3" snap-in drain cap (D)

2" plastic test cap (E)

One 2" diameter round mirror (F)

One 3/16" diameter wooden dowel, at least 21" in length (G)

Two 1/2" diameter wooden beads with pre-drilled holes (holes should be big enough for the end of the dowel to fit inside) (H)

One sheet of 8 1/2" x 11" black construction paper

Sheet of 11" x 17" poster board

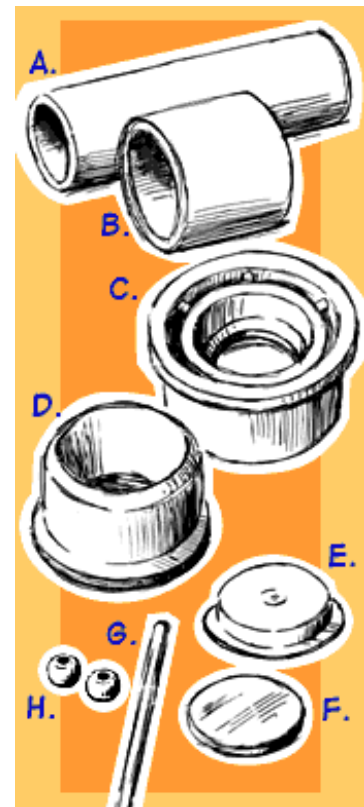
Silver spray paint

Cellophane tape

Duct tape

White glue or permanent glue stick

Dish soap for washing PVC



Be sure to read all the directions before you make your shopping trip. You may have an idea for an improvement to customize your model!