

Panpipes



Materials:

- *48 inches of PVC pipe, or bamboo. With the nodes in the bamboo, you might need to get two four foot stalks to get all the right lengths.*
- *A saw for cutting the bamboo.*
- *Goopy glue*
- *Corks or thumbtacks, something to plug the bottom of the bamboo.*
- *cardboard, wood, or plastic for bracing the pipes together.*
- *36 inches of string/yarn to tie the pipes together.*
- *Handmade plastic needle for weaving the string.*

Procedure:

Cut the tube into the following lengths:

Do is..... 7"
Re is6 $\frac{1}{2}$ "
Fa is..... 5 $\frac{1}{2}$ "
Sol is..... 5"
La is..... 4 $\frac{1}{2}$ "
Ti is..... 4"
High Do is..... 3 $\frac{1}{2}$ "

Plug up the bottom of the holes with corks or use a goopy glue to plug them with thumbtacks, buttons, coins, or any other interesting object you can find.

Use a piece of cardboard, plastic, or wood to brace both sides of the tubes side by side from longest to shortest. Glue the tubes to the bracing.

Cut a piece of plastic (from the side of a milk jug) into a 1" by 3" oval. Use a hole punch to punch a hole $\frac{1}{2}$ " from one end, centered. Use this as a needle for the string and weave the string around the pipes and the bracing until secure and colorful.