

Let's Make A Kite!

DIAMOND KITE

Materials:

- Butcher cord or thin garden twine
- Scotch tape or glue
- 1 sheet of strong paper (40" x 40")
- 2 strong, straight sticks of bamboo or wooden doweling, 35" and 40"
- Markers, paint or crayons to decorate your kite.

1. Make a cross with the two sticks, with the shorter stick placed horizontally across the longer stick. Make sure that both sides of the cross piece is equal in width.
2. Tie the two sticks together with the string in such a way as to make sure that they are at right angles to each other. A good way to ensure that the joint is strong is to put a dab of glue to stick it in place.
3. Cut a notch at each end of both sticks. Make it deep enough for the type of string you are using to fit in to. Cut a piece of string long enough to stretch all around the kite frame. Make a loop in the top notch and fasten it by wrapping the string around the stick. Stretch the string through the notch at one end of the cross-piece, and make another loop at the bottom. Stretch the string through the notch at one end of the loop at the bottom. Stretch the string through the notch at the other end of the cross-piece. Finish by wrapping the string a few times around the top of the stick and cutting off what you don't need. This string frame must be taut, but not so tight as to warp the sticks.
4. Lay the sail material flat and place the stick frame face down on top. Cut around it, leaving about 1" for a margin. Fold these edges over the string frame and tape or glue it down so that the material is tight.

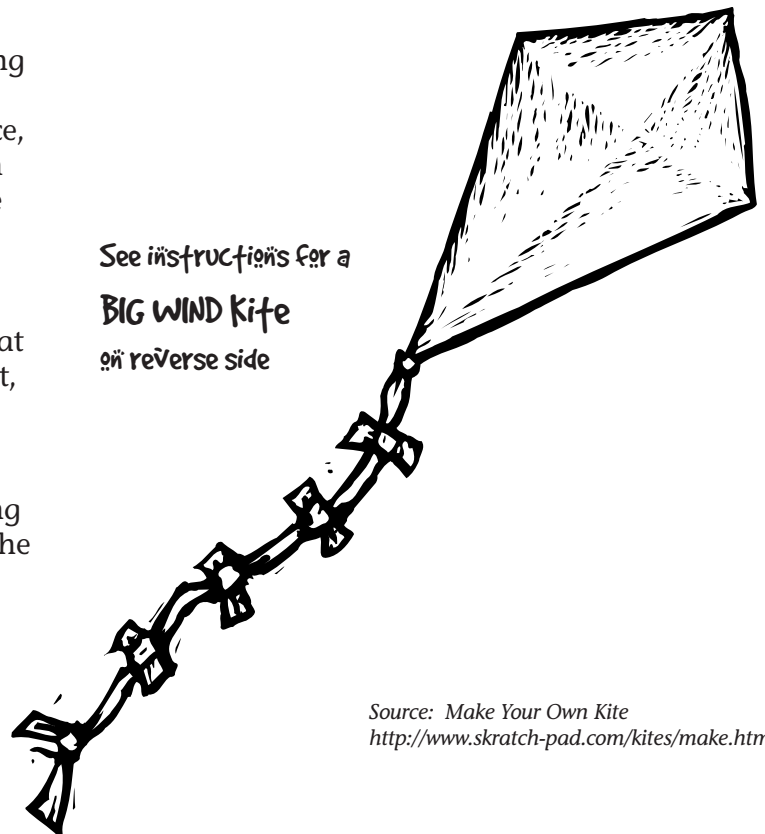
5. Cut a piece of string about 48" long and tie one end to the loop at the other end of the string to the loop at the bottom. Tie another small loop in the string just above the intersection of the two cross pieces. This will be the kite's bridle, the string to which the flying line is attached.

6. Make a tail with a piece of string about 48" long and tie a small ribbon roughly every 5" along the length of the string. Attach the tail to the loop at the bottom of the kite.

7. Decorate!

Tips:

- Cut away from you!
- Spray can glue is really good for patching up paper kites.
- Hold your kite up by the string when you are finished to see if it is balanced. You can balance it by putting more paper on one side.
- Kites are different each time you make one, so slight adjustments might need to be made for each kite.
- Fly your finished kite in open areas, away from power lines.



See instructions for a
BIG WIND Kite
on reverse side

Source: Make Your Own Kite
<http://www.scratch-pad.com/kites/make.html>

Let's Make A Kite!

BIG WIND KITE

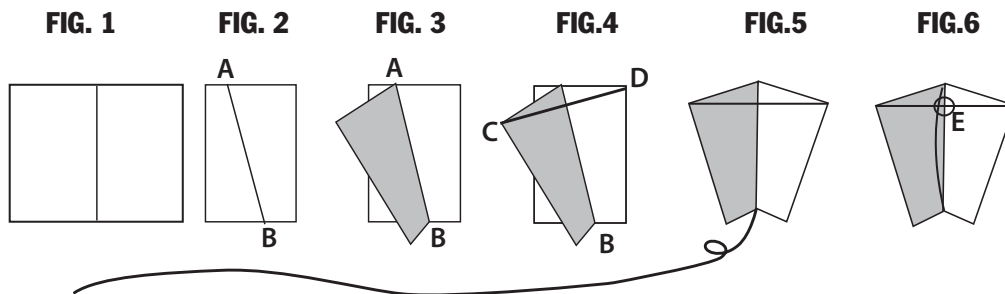
Materials list:

- sheets of brightly colored 8 1/2" x 11" multipurpose printing paper. 20 lb. bond is good.
- 8" bamboo bar-b-que shish kabob sticks.
- 1 roll of florescent surveyor's flagging plastic tape (available at hardware store). Or from plastic bag cut in a 1" wide spiral all around will also make a great tail.
- 1 roll 1/2" wide masking tape or any type of plastic tape
- 1 roll of string. (10 feet)
- 1"x 3" cardboard on which to wind the string
- Scissors
- Hole punch (optional)

Directions:

1. Fold a sheet of 8 1/2" x 11" paper in half to 8 1/2" x 5 1/2". (Fig.1)
2. Fold again along the diagonal line A in Fig.2. This diagonal line can be determined by making a mark at the top 1/2 inch from the fold and a mark at the bottom 3 in. from the fold and drawing a line between these marks.
3. Fold back one side forming kite shape 3 and place tape firmly along fold line AB. (No stick is needed here because the fold stiffens the paper and acts like a spine.) (Fig.3)
4. Place bar-b-que stick from point C to D and tape it down firmly. (Fig.4)
5. Cut off 6 to 10 feet of plastic ribbon and tape it to the bottom of the kite at B. (Fig.5)
6. Flip kite over onto its back and fold the front flap back and forth until it stands straight up. (Otherwise it acts like a rudder and the kite spins around in circles.)
7. Punch a hole in the flap at E (see Fig.6), about 1/3 down from the top point A. This hole can be reinforced with an additional piece of tape.
8. Tie one end of the string to the hole and wind the other end onto the cardboard string winder.

Source: www.molokai.com/kites/20kidskites.html



See instructions for a
DIAMOND Kite on reverse side