Eddy Kite Plan

WIND: Light to Moderate (4mph to 18mph)

LINE: Cotton string on spools

SAIL: (1) Tall plastic kitchen garbage bag, 13 gallons

SPARS: (2) 24" x 1/8" wooden dowels

BRIDLE: 48" flying line

TAIL: Surveyor's flagging tape or 1" wide strips of plastic

TAPE: Strapping tape

METHOD:

Preparation

1. For each kite you will have wooden dowels for a 24" spine and a 24" spreader.

- 2. Soak the spreaders in water overnight. Place the soaked dowels on a drying rack bent to form a dihedral offset of 3" at the center. Let the dowels dry for at least 24 hours.
- 3. Precut sails and center holes.
- 4. Precut tape to 3" lengths, with 8 pieces per kite.
- 5. Precut tails to 7' lengths.

Setup for each student

- 6. Lay out the sail: opened and flat
- 7. One spine and spreader
- 8. Eight pieces of tape 3" long
- 9. One spool of string
- 10. 7' of tail

Steps for students

- 1. Attach spine with tape by folding the tape over equally on front and back. (a)
- 2. Attach spreader with tape in the same manner. The sticks should cross at the hole in the sail.
- 3. Put 4 pieces of tape on the sticks near the center as reinforcement. (b)
- 4. Tie the tail to the bottom of the spine. (c)
- 5. Attach line through the hole in the front where the sticks cross. (c)



