

Paper Box Kite Model – Data Sheet

Follow the steps on the student handout to build the box kite. Materials: pattern, scissors, tape, thread

1. Cut out the two parts of the box kite in the student handout.
2. Cut out the box kite pattern along the solid lines.
3. Fold down along the dash lines on the kite so edge A-B touches edge C-D.
4. Apply a piece of tape to the TAB to join edge A-B to edge C-D.
5. Cut out the tail.
6. Tape one end of the tail to the kite at corner B-D.
7. Tape the end of the thread to corner A-C.
8. Adjust the edges of the kite to form a box.

Trials and Changes		Describe How the Box Kite Flies
Trial 1 First Flight	Draw tail position	
Trial 2 Change the position of the tail	Draw tail position	
Trial 3 Add another tail	Draw tail position	
Trial 4 Shorten the tail	_____ Measure change in inches or centimeters	
Trial 5 Lengthen the tail	_____ Measure change in inches or centimeters	
Trial 6 Another change		

Using the data you have collected, explain how moving air causes a kite to fly by overcoming its weight.

<https://amaflightschool.org/sites/default/files/classroomactivity-indoorpaperboxkite.pdf>

