

## BUILD A KITE

Do we have a fun task that is going to test our creativity! We're going to build a sky streaking, bird worrying kite, and I bet we can do it for next to nothing - mostly with stuff we find lying around.

## FLIP OVER FOR YOUR NEXT CHALLENGE

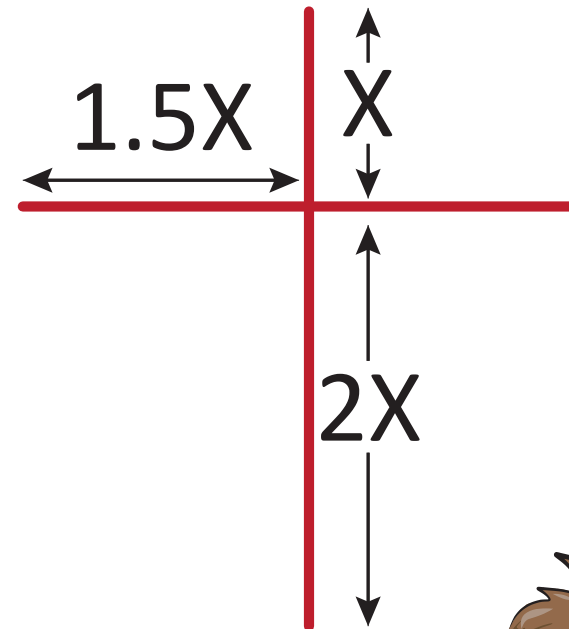


### EARN THIS NUGGET

Get that thing airborne and go have some fun on a windy afternoon.

So we will need the following:

1. An old plastic bag-- not one of these little ones you get at the grocery store though, it needs to be bigger and stronger than that, more like a garden fertilizer bag or a very heavy duty industrial trash liner.
2. Duct tape.
3. A couple of sticks, thin bamboo could work, or something else thin and straight if possible.
4. Some string. Thin nylon cord would work best for this because it's light and strong.



The basic kite proportions should be such that the bottom portion of the kite should be around twice the length of the top portion, and the sides should be a little longer than the top portion, probably around 1.5 times the length of the top section.



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5. Assuming you found a bag, lay it out on a surface and draw a large half profile of the kite--you'll want the edges to be straight. The edge of the bag will be the center of your kite, this way you won't need to worry about trying to make the two halves symmetrical.



6. With the bag still flat, cut your profile, so you are cutting through two layers of plastic.



7. Now unfold the bag and neatly tape all four edges of the plastic to strengthen it and prevent tearing.



8. Now measure out the length of your two stick supports and cut them to length.



9. You'll want to slide these under the duct tape.



10. I like to put an extra layer of duct tape so I don't stretch the plastic.



11. Tie yourself a tether line across your horizontal and vertical brace sticks where they cross.



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12. For greater stability, you can create a bridle and attach this string to the horizontal cross beam. To make this work wrap several turns of duct tape to the horizontal cross beam.



13. Cut a length of string around six inches longer than the outer edges of the duct tape wraps, and tie a loop into the center of it.



14. Tie the bridle to the horizontal cross beam on the outside of the Duct Tape wraps and then tie the end of your string to loop in the middle of bride line.



15. Out of the off-cuts of plastic, create a tail for your kite



16. You are now ready to launch your creation; feel free to decorate

