



GATEWAY REGION YMCA BUILD YOUR OWN DIAMOND KITE

Since the early days of flight, humans have been testing wing structures to create flying machines. Build your own diamond kite and watch it fly effortlessly with a little wind.

Supply List

- ¼ inch wooden dowel
- Duct Tape
- Measuring Tape
- White, Plastic Kitchen Trash Bag
- Scissors
- String or Twine
- Ribbon
- Markers, stickers, etc. to decorate white portion of kite

Instructions

1. Place a small piece of duct tape around the ends of the dowels to protect the kite and material.
2. Place the 16-inch dowel on top of the 24-inch dowel, five inches down the top point.
3. Secure the center of the two pieces with twine or string by wrapping over the connected point, under the point, and then over the point in the opposite direction.
4. Wrap a strip of duct tape around the center point to help strengthen the connection.
5. Starting at the bottom point of your kite, wrap the kitchen twine around each point of the kite to frame it, securing with tape at each point.
6. Lay the plastic bag underneath the frame. Cut the bag around the kite leaving an inch on all sides.
7. Fold the plastic bag edges up over the frame and attach it with a strip of duct tape on each side.
8. Tie the spool of string to the center point of the kite, making sure you have enough string to allow the kite to fly.
9. Add strips of ribbons, cloth or beads to the bottom point of the kite to help it stay balanced in the wind.



For more information about this activity visit:

<https://youtu.be/odhxpBAfCk>

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