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How to make a  
**Diamond Kite**

# You will need:

- **Flying line** – nylon line, fishing wire, string, acrylic knitting yarn (ideally 5m or longer)
- **Kite material** - large rubbish or garden plastic bags, material, paper, wrapping paper, wallpaper (at least 0.5 m wide and 1 m high)

## TOP TIP

If you don't have one large plastic bag, you can cut down and stick smaller plastic bags together to create one big sheet

- **Strong Tape** – gaffer tape, electrical insulation tape, sticky tape
- **Structural material** – doweling sticks, kebab sticks, garden canes

## TOP TIP

If you don't have any of the materials above, hunt for straight twigs from trees at least 5mm thick

- **Decorations** – Stickers, ribbons, sequins
- **A ruler**
- **Scissors** - Any type of ordinary paper-cutting scissors will do.
- **A black marker pen** - Preferably not too fine.

## SAFETY FIRST!

**You may need an adult to cut or saw the rods to the correct size for your design**



# Construction

## 1. Measuring the sail

Place your plastic bag, material or paper flat on the floor. If you're not using a large plastic bag, fold your material/paper in two.

Starting from just below the top-left corner of the bag, measure and mark 3 dots as per the diagram.



## 2. Cutting the sail

Take your ruler and connect the dots with the black marker pen, as shown in the diagram, to create your half diamond shape.

Turn the material over and trace over all the black lines to complete the outline.

Take your scissors and cut along all the black lines.

Carefully, apply tape to all of the edges of the diamond.



### 3. Adding the structure (spars)

Lay a 1 m length of your dowel/cane/ etc. down the centre-line of the kite, line it up with the top and bottom of your kite.

Lay the second 1 m length across the centre of the kite, on top of the first dowel.

Cut off a 5 cm length of tape and stick down the dowel to the material, top, bottom, left and right.

Cut off an additional 5 cm length of tape and stick down the dowel to the material, top, bottom, left and right, at right angles to the first for extra strength.



### 4. Attach the flying line

Where the dowels cross in the centre of your kite, poke a small hole in the sail material.

Thread the free end of your flying line through the hole, and tie it firmly around the crossing-point.



## 5. Attach the tail

Your tail can be made of anything! Make a long narrow strip (ideally 5 m long and 5 cm wide) from spare scraps of sail plastic, ribbon, material, wool etc.

Thread one end of the tail around the bottom of the longest dowel. Tie the tail to the dowel with a simple knot.



### TOP TIP

You can personalise your kite with stickers, sequins or drawings!

## What now?

Hope for a blustery day  
and **FLY YOUR KITE!**





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