

you will need

white and coloured card
plastic straws
beads (5mm diameter)
50cm medium garden wire
1m thin strong string
a small stone weight

Safety Note:
Not suitable for children under 5yrs.

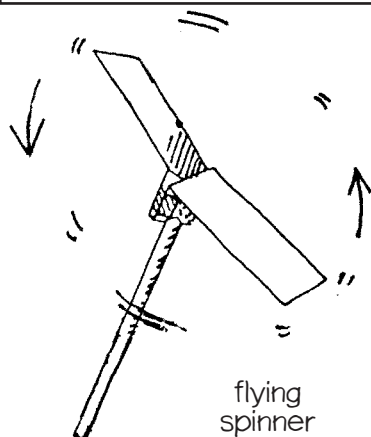
PROPELLER WIND VANE AND FLYING SPINNERS

Make a flying spinner which flies
indoors and outdoors.
Then make a decorative wind vane
to your own design.

Note: do not leave your spinners outside
overnight, or in the rain.

tools needed

pencil and ruler
scissors
craft snips (to cut wire)
wax crayons or felt pens
(to colour and decorate)
sticky tape



Hang the wind vane up
outside from a tree,
a post

Make sure the
propeller can spin
freely when you bend
the wire over at
each end.

The beads act as
spacers between each
part.

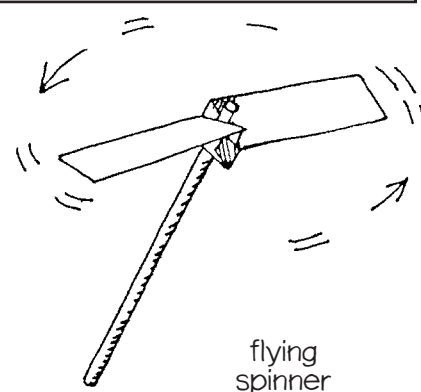
You can change the
balance of your wind
vane by moving the
string forwards or
backwards along the
plastic straw.

Fix it in place with
sticky tape.



The weighted string stops the
wind vane from blowing around
in the wind.

Fix the stone to the string by
wrapping it with wire and
tying it on.



Cut out a card shape
to your own design.
Make it about
12cm or 14cm wide.



horse



hedgehog



house



elephant

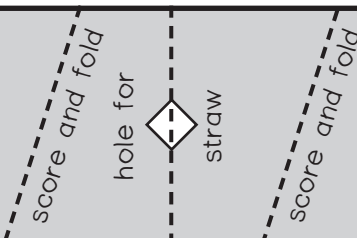
The card tail
keeps the vane facing
into the wind.

The tail must be
fixed in a vertical
position.



Trace off this propeller shape onto the white card and cut it out

propeller



shape


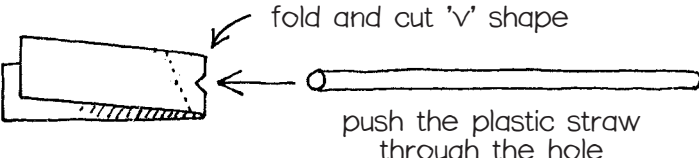
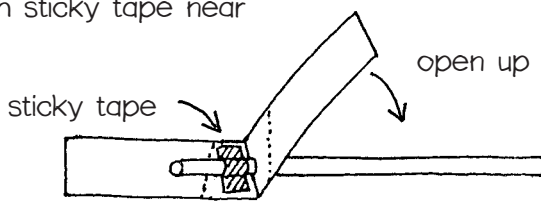
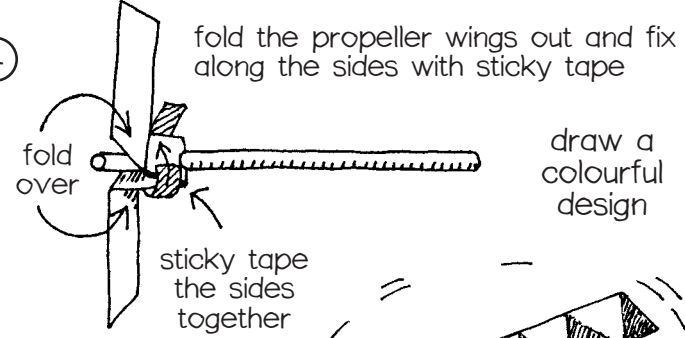
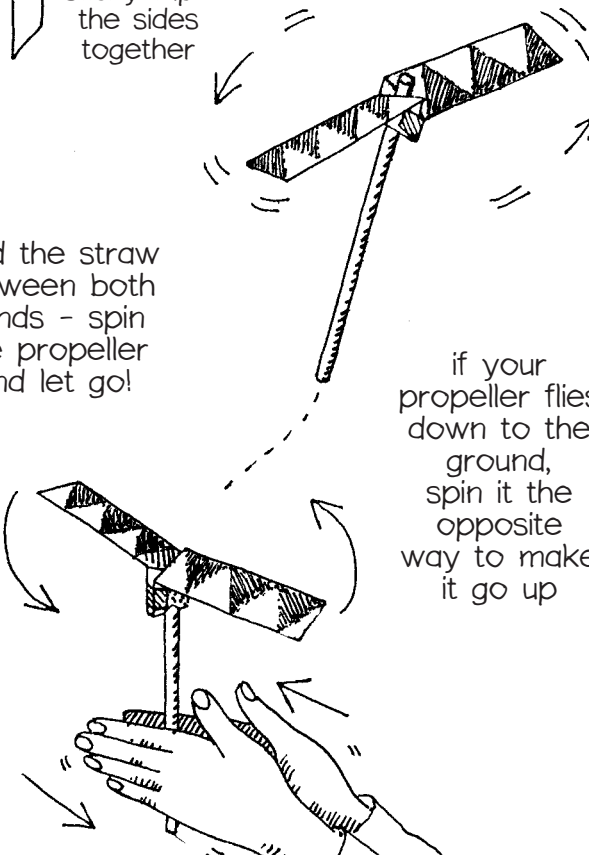
thinking by making

designed & illustrated by
hine & Limbrick © 1997/2017

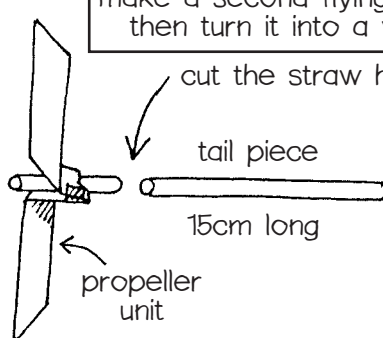
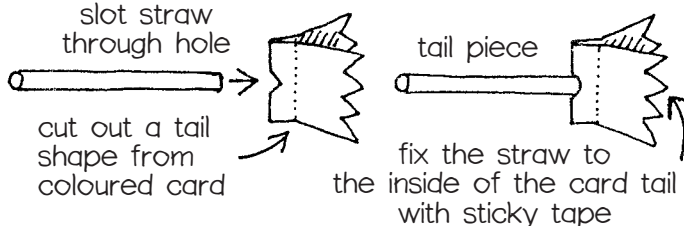
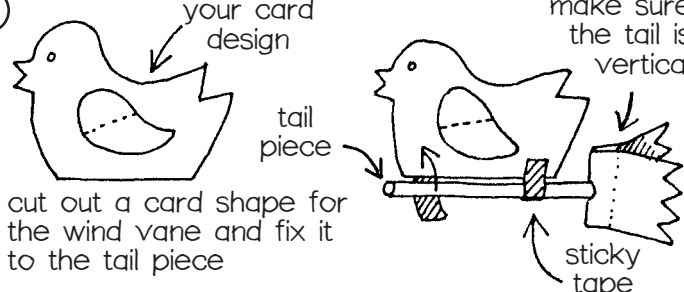
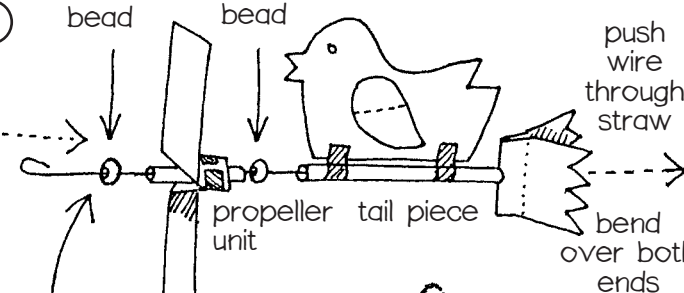
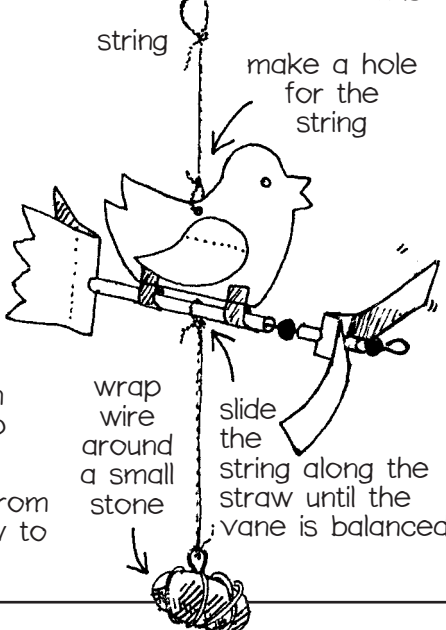
www.thinkingbymaking.org.uk
more project details at making-ideas.blog

free for children to make
all copyright reserved

make a flying spinner

- 1  white card
a) Trace off the propeller shape.
b) Cut out from thin card.
c) Score along the dotted lines with an old ball pen and a ruler.
- 2  fold and cut 'v' shape
push the plastic straw through the hole
- 3  sticky tape
open up
lay the propeller flat and fix the straw to the card with sticky tape near the hole
- 4  fold over
sticky tape the sides together
draw a colourful design
fold the propeller wings out and fix along the sides with sticky tape
- 5  hold the straw between both hands - spin the propeller and let go!
if your propeller flies down to the ground, spin it the opposite way to make it go up

make a propeller wind vane

- 1  make a second flying spinner and then turn it into a wind vane.
cut the straw here
tail piece
15cm long
propeller unit
- 2  slot straw through hole
cut out a tail shape from coloured card
tail piece
fix the straw to the inside of the card tail with sticky tape
cut out a card shape and fix it to the straw to make the tail piece
- 3  your card design
tail piece
cut out a card shape for the wind vane and fix it to the tail piece
make sure the tail is vertical
sticky tape
- 4  bead
bead
push wire through straw
propeller unit
tail piece
bend over both ends
cut a piece of wire 25cm long and push it through the propeller unit and the tail piece, adding the beads as you go
- 5  string
make a hole for the string
wrap wire around a small stone
slide the string along the straw until the vane is balanced
use string (30cm long) to hang up your wind vane.
hang a weight from the plastic straw to keep it steady