



Tumbling Paper



What you need:

CONSTRUCTION PAPER
SCISSORS
RULER
GLUE
PENCIL



What to do:

CUT OUT A 9X3CM RECTANGLE AND TWO 2CM CIRCLES FROM A TEMPLATE FOUND AT: WWW.EEQUALSMCQ.COM/TUMBLINGPAPER.HTML
FOLD TWO FLAPS ALONG THE DOTTED LINES FACING OPPOSITE DIRECTIONS AS SEEN IN THE PICTURE ABOVE.
ADD GLUE TO THE SHORT EDGES OF THE RECTANGLE AND PLACE A CIRCLE ON EACH END.
ALLOW TO DRY.
HOLD THE DEVICE BY ONE OF THE FOLDED ENDS AND TOSS IT IN FRONT OF YOU. IT SHOULD BEGIN TO TUMBLE, END OVER END, AS IT SLOWLY REACHES THE GROUND.

What's going on?

AIR RUSHES OVER THE SURFACE OF YOUR PAPER TUMBLER AT DIFFERENT SPEEDS BECAUSE OF ITS FOLDED EDGES. THE CIRCULAR PIECES OF PAPER SECURE THESE FOLDS IN PLACE. THIS IS IMPORTANT BECAUSE WHEN AIR HITS THESE FOLDS, IT CREATES A FORCE ALONG ONE SIDE OF THE PAPER WHICH CAUSES IT TO "SPIN" THROUGH THE AIR. IF IT DOESN'T TUMBLE AT FIRST, GIVE IT A FEW MORE TRIES. IT WILL WORK WHEN YOU FIND THE PERFECT METHOD FOR TOSSING IT!