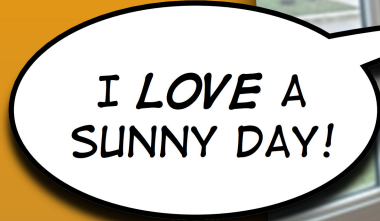




The world's easiest chimney!

What you need:

THREE EMPTY SOUP CANS
MASKING/DUCT TAPE
TWO LARGE BOOKS OF EQUAL SIZE
THUMB TACK OR STRAIGHT PIN
LARGE PAPER CLIP
CONSTRUCTION PAPER (6IN/15CM) SQUARE
SCISSORS
SUNNY AREA INDOORS



What's going on?

AS LIGHT STRIKES THE METAL CHIMNEY, ITS SURFACE AND THE AIR INSIDE ITS WALLS BEGINS TO HEAT UP. SINCE WARM AIR IS LESS DENSE THAN COLD AIR, IT STARTS TO RISE UPWARDS THROUGH THE CHIMNEY. THE MOVEMENT OF THIS WARM AIR (UPDRAFT) THROUGH THE TOP OF THE CHIMNEY MAKES THE PINWHEEL SPIN. AS MORE AIR LEAVES THE CHIMNEY, THE AIR PRESSURE INSIDE THE METAL WALLS BECOMES LOWER. THE GAP PROVIDED BY THE BOOKS ALLOWS FRESH, HIGHER-PRESSURE AIR FROM THE ROOM TO BE PUSHED THROUGH THE CHIMNEY, FUELING THE PINWHEEL TO SPIN EVEN MORE.

What to do:

USE A CAN OPENER TO REMOVE BOTH ENDS OF THE SOUP CANS.
TAPE THE ENDS OF THE THREE CANS TOGETHER TO MAKE A SINGLE "CHIMNEY".
BEND THE PAPERCLIP INTO THE FORM OF AN ARCH AND TAPE EACH END TO THE OPENING OF THE TOP CAN.
TAPE THE THUMB TACK OR PIN TO THE TOP OF THE ARCH FACING UPWARDS.
LOCATE A SUNNY AREA TO PLACE YOUR CHIMNEY INDOORS.
PLACE THE CHIMNEY ON TOP OF THE BOOKS WITH A WIDE GAP BETWEEN THEM. AIR WILL NEED TO FLOW THROUGH THE CHIMNEY AND IT SHOULD RECEIVE PLENTY OF SUNLIGHT.
CUT A PINWHEEL OUT OF THE PAPER AND BALANCE ITS CENTER ONTO THE THUMB TACK. THE OPEN ENDS OF THE PINWHEEL SHOULD FACE INTO THE CHIMNEY.
A TEMPLATE FOR THE PINWHEEL CAN BE FOUND AT:
[HTTP://WWW.EEQUALSMCQ.COM/PINWHEEL.HTML](http://www.eequalsmcq.com/pinwheel.html)