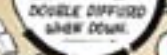


What I made

ELEGANT TELESCOPIC LIGHT WITH WEIGHTED COUNTERBALANCE

MADE ENTIRELY FROM PAPER AND CARD (AND A TINY BIT OF WIRE AND OLD X/MAS LIGHTS) THIS COOL SHADE NEEDS NOTHING MORE THAN A CRAFT KNIFE, A HOT GLUE GUN, AND A PAIR OF PLIERS TO CONSTRUCT.



1 START HERE

FIND 2 OLD 'WRAPPING PAPER' TUBES WITH DIFFERENT DIAMETERS - ONE NEEDS TO FIT INSIDE THE OTHER. CUT THEM TO THE LENGTHS YOU WANT. NOW CUT 2 DISCS OF FOAMCORE BOARD (FROM AN OLD CD/DVD CASE) TO FIT IN DIAMETER. CUT A HOLE IN ONE 5MM WIDER THAN THE NARROWEST TUBE.



PAPER AND CARD GLUE



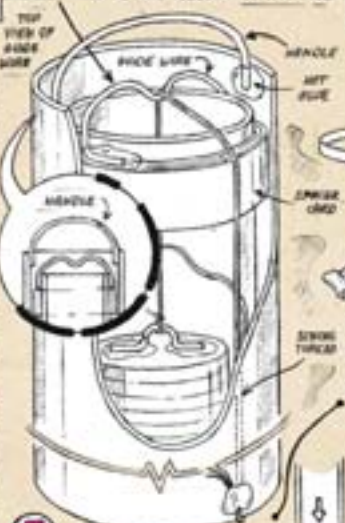
GLUE THE 2 DISCS TOGETHER USING PAPER AND CARD GLUE. PLACE THE NARROW TUBE IN THE CENTRE OF THE HOLE IN THE TOP DISC. FILL THE GAP WITH HOT GLUE, ENSURING THE TUBE IS VERTICAL (USE A SPIRIT LEVEL).



3 GLUE COILS TOGETHER TO CREATE A WEIGHT. CREATE A HOOK FROM A PAPER CLIP AND HOT-GLUE IT ONTO ONE END. ATTACH YOUR STRING OF SEWING THREAD (USE 4 STRINGS) TO THE HOOK USING A KNOT.



IF NECESSARY, GLUE STRIPS OF CARD AROUND THE TOP OF THE INNER TUBE UNTIL IT FITS SNUGLY WITHIN THE OUTER TUBE. NOW USE 1.5MM POLYURETHANE WIRE TO MAKE THE HANDLE AND GUIDE WIRE AS SHOWN. BEGAIN ATTACH THEM TO THE TUBES USING HOT GLUE.



5 ... BUT LOWER THE WEIGHT INTO THE INNER TUBE FIRST! THEN WITH THE THREAD RUNNING OVER THE GUIDE WIRE AND DOWN THE OUTSIDE OF THE INNER TUBE (AND WITH THE WEIGHT AT THE TOP) LOWER THE OUTER TUBE, KEEPING THE THREAD TIGHT, UNTIL IT SITS ON THE TOP OF THE BASE. USE HOT GLUE TO ATTACH THREAD TO THE BOTTOM OF THE OUTER TUBE. BE CAREFUL NOT TO TOUCH THE TUBES, OTHERWISE THE THREAD WILL VIBR OR SHAKE.

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A STRING OF 80 LED LIGHTS



TAKE THE LED LIGHTS AND WIND THEM AROUND THE OUTER TUBE. USE HOT GLUE TO HOLD THEM IN PLACE. BEING EACH LED LIGHT ATTACHED IF THERE'S A 'SECURE' BOX GLUE IT ONTO THE BASE AND MAKE SURE THERE'S ENOUGH...

... SLACK WIRE FOR THE OUTER TUBE TO MOVE FREELY UP AND DOWN.



TAKE SOME RD. 130G CARD AND CUT IT INTO A PIECE 570MM x 575MM. SCORPE IT AND THEN FOLD IT OUT. WRAP IT AROUND THE BASE AND GLUE INTO POSITION. FOR ADDITIONAL SUPPORT, BEND WIRE INTO A...

... BEND WIRE INTO A...



END AND GLUE ONTO THE INSIDE EDGE OF CARD.



FINALLY, PEEK 4 FEET FROM EACH WIRE AND HOT-GLUE THEM ONTO THE BASE-GOOD LUCK!

BY SCOTT BEDFORD
WHATIMADE.COM