

HAND CLAPPING GAME DIGITIZED! WORKSHOP

WORKSHOP WORKSHEET MADE FOR PLAYFUL ARTS
FESTIVAL 2012 IN DEN BOSCH, NETHERLANDS.

SEND PHOTOS OF GLOVES TO

@KAHODESU

MATERIALS

CONDUCTIVE FABRIC
STEREO WIRE
IRON ON ADHESIVE
CRAFT FOAM
PAIR OF WORK GLOVES

10K RESISTOR
SMALL BREAD BOARD
ARDUINO

TOOLS

SCISSORS
GLUE GUN
WIRE CUTTER/STRIPPER
IRON (OLD)
IRONING BOARD/RAG

LAYERS SHOULD BE IN
THIS ORDER...

CONDUCTIVE
FABRIC

STEREO WIRE
(WIRE EXPOSED FOR 3")

IRON ON
ADHESIVE

FOAM

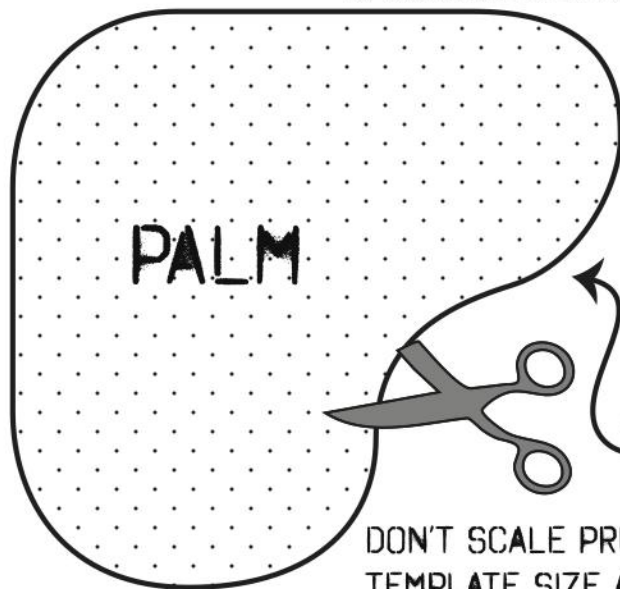
GLUE GUN

GLOVE

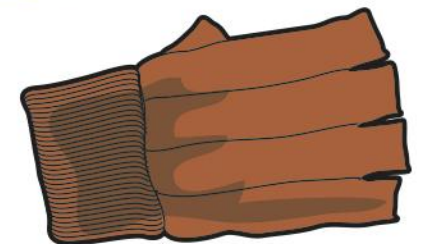
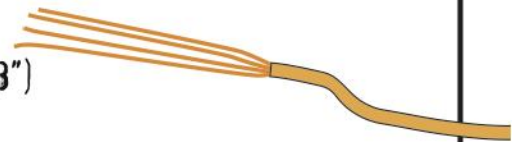
CONDUCTIVE PAD TEMPLATE

CUT 2 PIECES EACH OF...

1. FOAM
2. ADHESIVE PAPER
3. CONDUCTIVE FABRIC



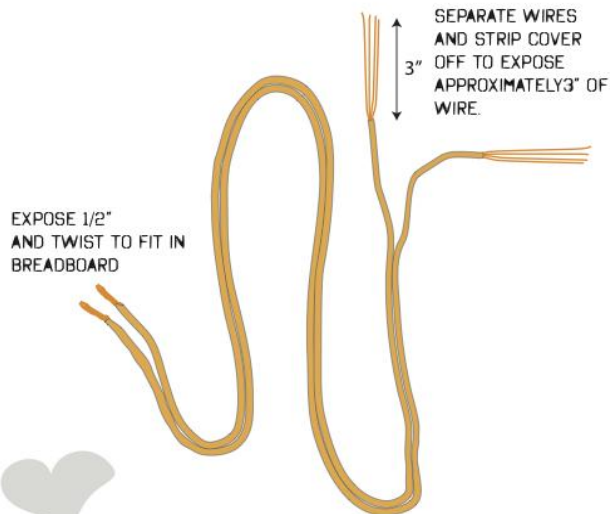
DON'T SCALE PRINT OUT.
TEMPLATE SIZE AS IT.



MORE INFO SEE [HTTP://KAHOABE.NET](http://KAHOABE.NET)

PREPARE WIRE

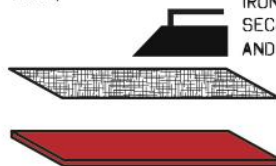
CUT 3-4FT OF STEREO WIRE



IRON ADHESIVE TO FOAM

PUT ADHESIVE ON CRAFT FOAM, PAPER SIDE UP! (GLUE SIDE SHOULD BE FACING DOWN TO FOAM)

IRON FOR 8 SECONDS AND LET COOL

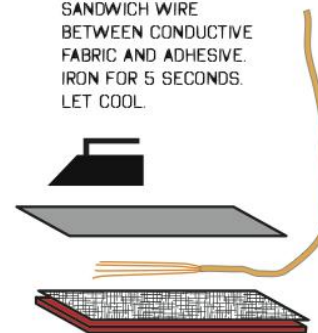


PEEL PAPER OFF AFTER COOLING!

GLOVE CONSTRUCTION

IRON CONDUCTIVE FABRIC TO FOAM WITH WIRE IN BETWEEN

SANDWICH WIRE BETWEEN CONDUCTIVE FABRIC AND ADHESIVE. IRON FOR 5 SECONDS. LET COOL.

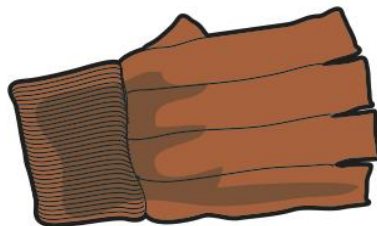
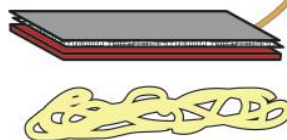


HINT: CURL STRIPPED WIRE AND MAKE SPIRAL TO MAXIMIZE SURFACE AREA IN CONTACT WITH CONDUCTIVE FABRIC



GLUE DOWN PAD TO GLOVE

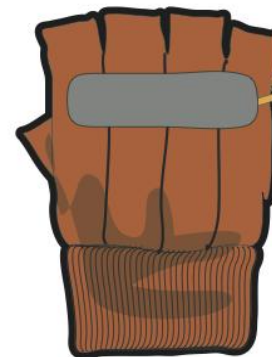
GLUE DOWN PAD TO GLOVE



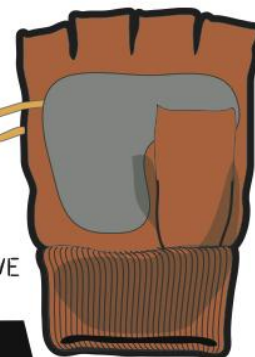
WIRE PLACEMENT!

HINT: PUT WIRES ON PINKY SIDE!!

BACK OF GLOVE



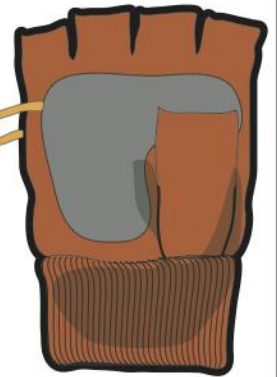
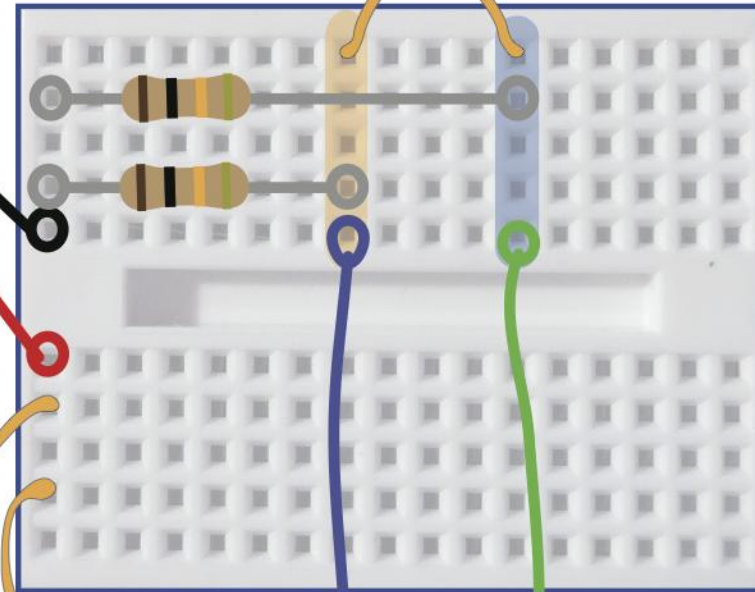
FRONT OF GLOVE



SEND PHOTOS OF GLOVES TO

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CIRCUIT BOARD LAYOUT



SEND PHOTOS OF GLOVES TO

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GREEN GOES TO PIN 2
BLUE GOES TO PIN 3
BLACK GOES TO GRND
RED GOES TO 5V