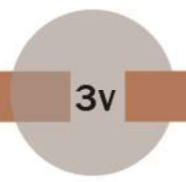
Paper Airplane



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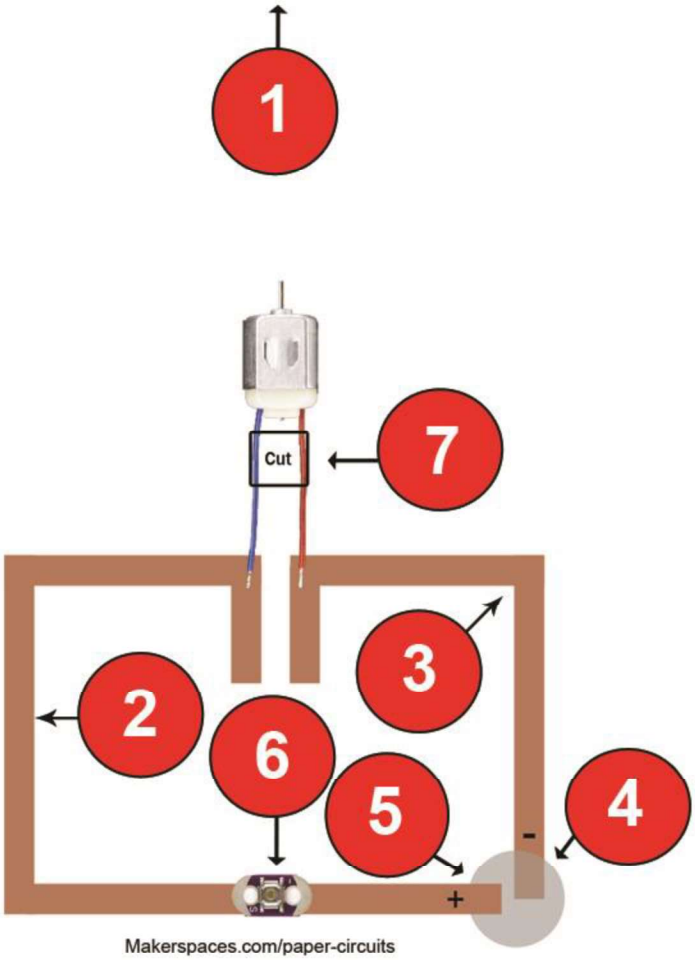

Materials:

Copper Tape - 1/4”
Battery - CR2032 - 3v
Transparent Tape
DC Hobby Motor - 130 size
LilyPad Button Switch
Foam Board or Cardboard
Glue Stick

Tools:

Scissors
Scoring Tool
X-Acto Knife

Time Required:

30 minutes

Steps:

1. Glue template on top of foam board or cardboard. Cut along dotted line.
2. Apply copper tape to trace line. Smooth with finger. Allow a gap for LilyPad switch
3. Fold copper tape at all corners. Try to maintain a continuous strip with no cuts.
4. Place battery on top of copper tape with negative (-) facing down.
5. Stick end of copper tape to the top of battery (+)
6. Mount LilyPad switch using clear tape. Make sure there is a gap in the copper tape below switch.
7. Cut square and mount motor vertically. Strip the ends of wires and tape them to copper foil.

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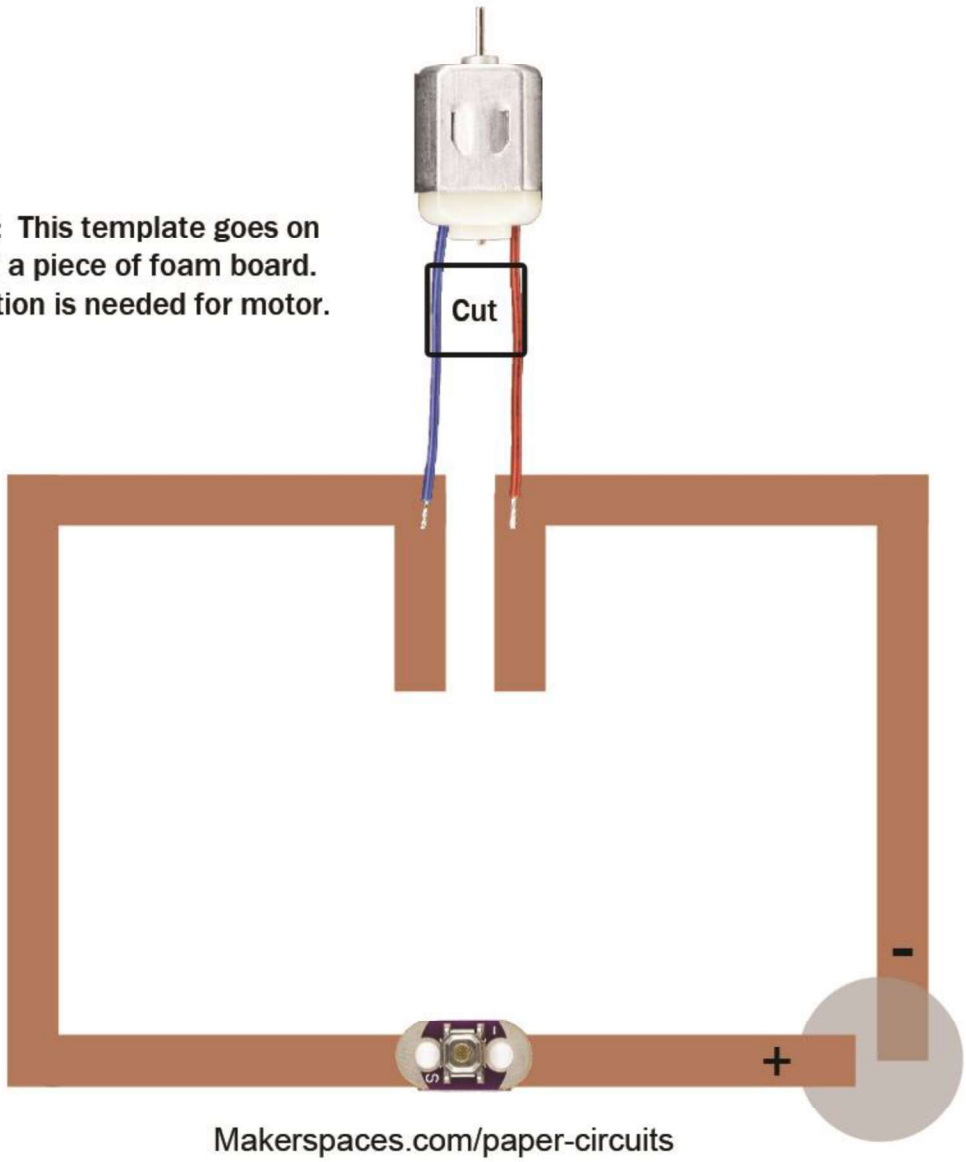
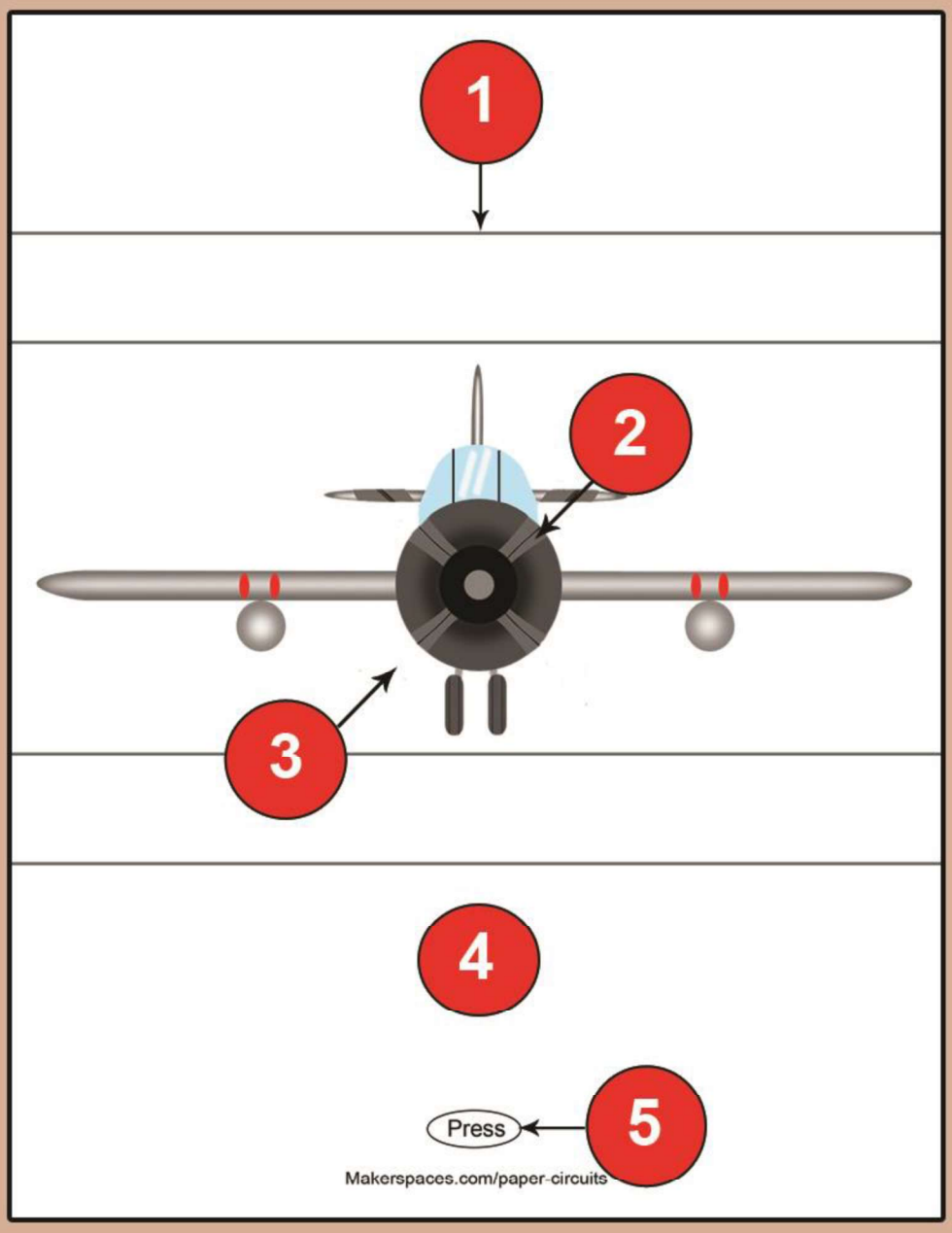
NOTE: This template goes on top of a piece of foam board. Elevation is needed for motor.





Steps:

1. Fold all (4) of the SOLID lines on template. This will give the plane elevation over the motor.
2. Cut tiny hole at tip of plane for the motor shaft to fit thru.
3. Glue propeller template to a piece of foam board. Cut out propeller with foam board.
4. Place plane overlay directly over the circuit template. Make sure the motor shaft goes thru tip of the plane overlay. Attach the propeller to the shaft with glue or double sided tape.
5. The button marked PRESS should line up with the LilyPad switch on template below

Materials:

Template

Tools:

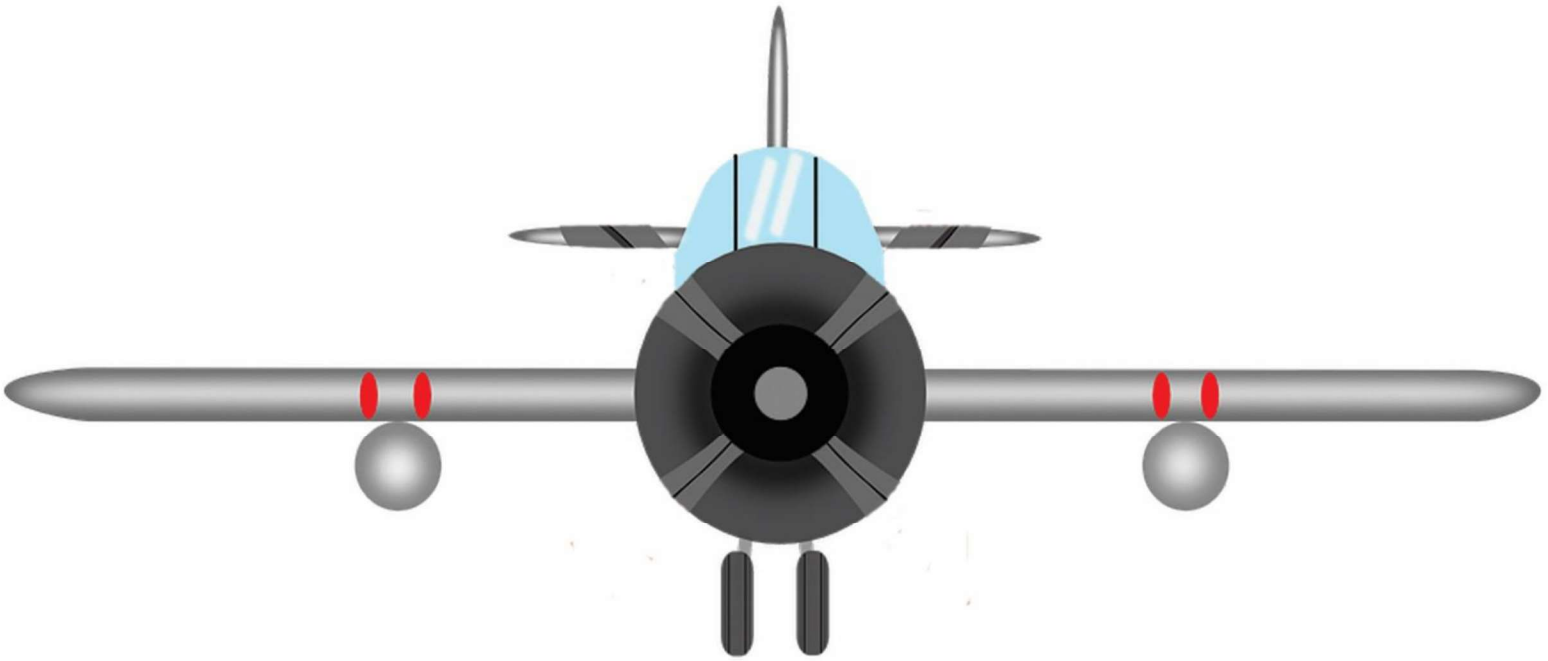
Scissors
Scoring Tool
X-Acto Knife

Time Required:

30 minutes

Fold

Fold



Fold

Fold

Press

Makerspaces.com/paper-circuits

Cut