



The diagram shows a rectangular circuit path made of brown conductive tape. At the top center, a black LED is connected. On the right side, a small purple module with two white LEDs is connected. At the bottom center, a 3V battery is connected, with the negative terminal on the left and the positive terminal on the right. The text "Happy Birthday" is centered within the circuit frame.

Happy Birthday

- 3v +



Materials:

Copper Tape - 1/4"
 Battery - CR2032 - 3v
 Transparent Tape
 LED - 5mm or 10mm
 LilyPad Button Switch
 Circuit Stickers (optional)

Tools:

Scissors
 Scoring Tool
 X-Acto Knife

Time Required:

30 minutes

Steps:

- 1 Apply copper tape to trace line. Smooth with finger. Allow a gap for LED and switch.
- 2 Fold copper tape at all corners. Try to maintain a continuous strip with no cuts.
- 3 Place battery on top of copper tape with negative (-) facing down.
- 4 Stick end of the copper tape to the top of the battery (+)
- 5 Bend legs of LED at a 90° angle. Use clear tape to secure LED to copper tape. Long leg of LED goes on positive.
- 6 Mount LilyPad switch using clear tape. Make sure there is a gap in the copper tape below switch.
- 7 Cut all DOTTED lines.
- 8 Fold all SOLID lines.

