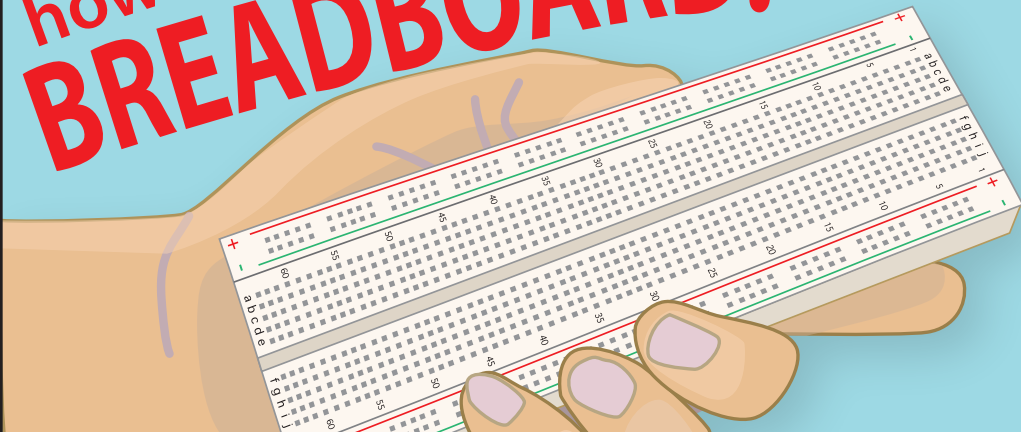
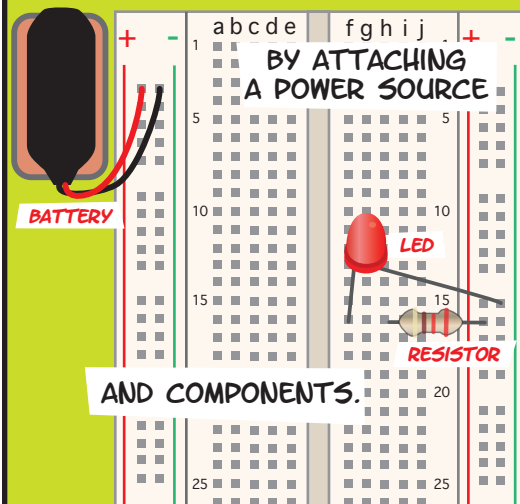


how to use a **BREADBOARD!**



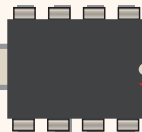
A **SOLDERLESS BREADBOARD** IS A PLASTIC BOX FULL OF METAL STRIPS, WITH A GRID OF HOLES ON TOP.

IT IS USED TO BUILD AND TEST CIRCUITS QUICKLY



AND COMPONENTS.

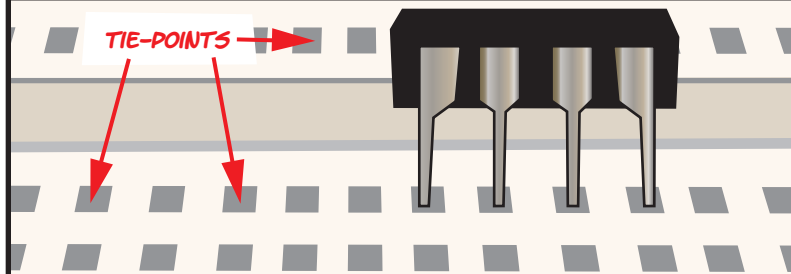
TRENCH



INTEGRATED CIRCUIT

GENERALLY A BREADBOARD HAS A SLOT DOWN THE MIDDLE CALLED A **TRENCH**. THE WIDTH IS DESIGNED SO MANY **INTEGRATED CIRCUITS (ICS)** FIT RIGHT ACROSS IT.

TIE-POINTS



THE HOLES, CALLED **TIE-POINTS**, ARE THE SAME DISTANCE APART AS THE PINS ON MANY ICS AND OTHER COMPONENTS.