

## BUILD A Personal Fan

### WHAT YOU'LL LEARN

The motor uses electricity to make things move. When electricity moves through a wire, it makes the wire into a magnet. So when we wrap the wire in a circle around a motor, the electricity moves around the circle. Around and around it goes. Making circles pushes and pulls on the pole in the middle. This makes it turn. The turning is called electro magnetic induction.

### WHAT YOU'LL NEED



1-POINT WIRE (x2)



2-POINT WIRE (x2)



MOTOR + FAN (x1)



BATTERY (x1)



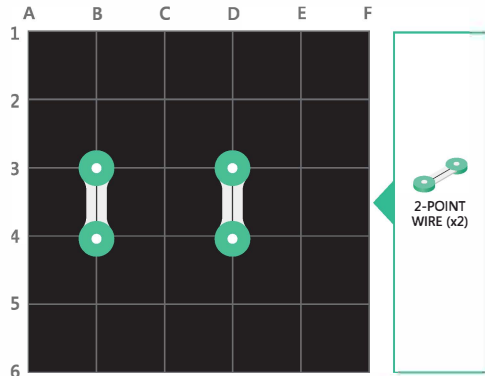
Magnetic, snap-together modules  
for learning basic circuitry

BUILD A

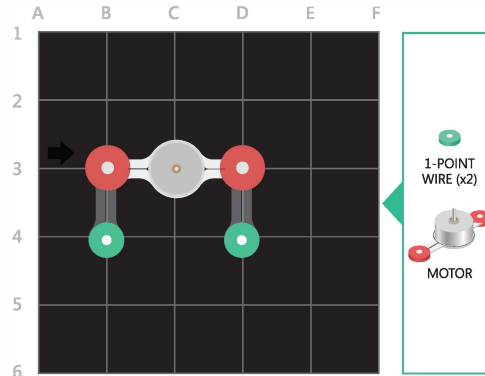
# Personal Fan



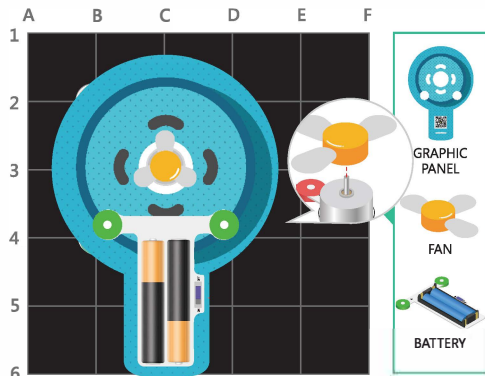
Magnetic, snap-together modules for learning basic circuitry



**Step 1:** Place two 2-point wire components on the board as shown



**Step 2:** Bridge the motor between the two 2-point wire components, and place two 1-point wire components on the board as shown.



**Step 3:** Add graphic panel, battery, and fan. Flip switch on battery to the "ON" position.

