

# Telegraph

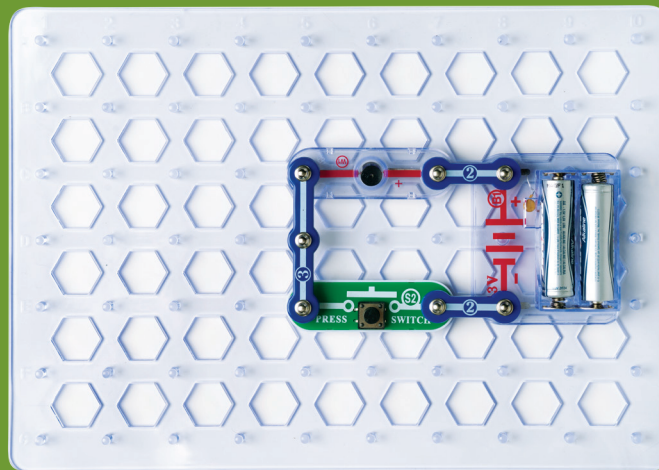
**Parts List:**

- Battery (B1)
- Press Switch (S2)
- Buzzer (W1)
- Base Grid
- 2-Snap Wire x2
- 3-Snap Wire



**1**

Connect the battery, buzzer, and press switch with the blue snap wires as shown.



**2**

Press the button on the press switch to make the buzzer sound.

NOTE: If the buzzer doesn't sound, it may be backward. The electricity only flows in one direction through the buzzer.

**3**

Use the telegraph you have built to transmit the answer to the question given to your group using the Morse code on the back of this page.

# International Morse Code



A dash is as long as three dots.  
 The space between parts of the same letter is equal to one dot.  
 The space between two letters is as long as a dash.  
 The space between two words is as long as seven dots.

<b>A</b>	● ———
<b>B</b>	———— ● ● ●
<b>C</b>	———— ● ——— ●
<b>D</b>	———— ● ●
<b>E</b>	●
<b>F</b>	● ● ——— ●
<b>G</b>	———— ——— ●
<b>H</b>	● ● ● ●
<b>I</b>	● ●
<b>J</b>	● ——— ——— ———
<b>K</b>	———— ● ———
<b>L</b>	● ——— ● ●
<b>M</b>	———— ———

<b>N</b>	———— ●
<b>O</b>	———— ——— ———
<b>P</b>	● ——— ——— ●
<b>Q</b>	———— ——— ● ———
<b>R</b>	● ——— ●
<b>S</b>	● ● ●
<b>T</b>	————
<b>U</b>	● ● ———
<b>V</b>	● ● ● ———
<b>W</b>	● ——— ———
<b>X</b>	———— ● ● ———
<b>Y</b>	———— ● ——— ———
<b>Z</b>	———— ——— ● ●