Circuit: A complete loop path that electricity flows along.

Electricity: The flow of electrons from one place to another.
   a form of kinetic energy

Current: The flow of positive electric charge
(water flowing down a slide in a water park)

Battery = water Pump

Voltage: The difference in charge between two places in a circuit.

Resistance: Slows the flow of electric charge.

\[ R \uparrow \Rightarrow I \downarrow \]
\[ V \uparrow \Rightarrow I \uparrow \]
\[ I = \frac{V}{R} \] Ohm's Law
Electrostatics

Electrons want to move to locations where there are fewer electrons.

Big Ideas
- Electrons do not like to be near other electrons.
- They do like to be near protons.

Opposites attract
Like charges repel