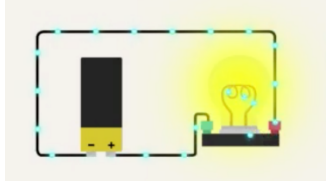
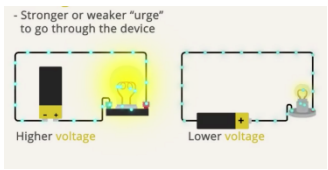
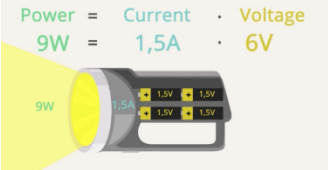
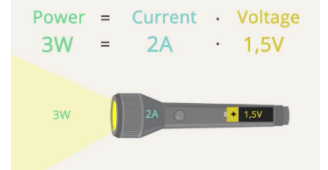
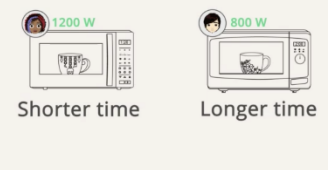




**Binogi Video: Power, Current, and Voltage**  
 English- Mandarin Bilingual Concept List  
The ESCAPE Projects

|   |   |  |
|---|---|--|
| <p><b>Electrical Current</b><br/>         The rate at which electrical charge flows past a point in a circuit.</p>  | <p><b>电流</b><br/>         电荷流过电路中某一点的速率。</p>                          |   |
| <p><b>Ampere</b><br/>         A unit for measuring the electric current.</p>  | <p><b>安培</b><br/>         测量电流的单位。</p>                                | <p>Power = Current · Voltage<br/>         Watts = Amperes · Volts</p>  |
| <p><b>Voltage</b><br/>         A measure of the difference in electrical charge between two points in a circuit.</p>  | <p><b>电压</b><br/>         测量电路中两点之间电荷差的一种方法。</p>                      | <p>- Stronger or weaker "urge" to go through the device</p>  <p>Higher voltage      Lower voltage</p> |
| <p><b>Power</b><br/>         The rate at which electrical energy is used or transferred by a device.</p>  | <p><b>电能</b><br/>         设备使用或传输电能的速率。</p>                           | <p>Power = Current · Voltage<br/>         9W = 1,5A · 6V</p>   |
| <p><b>Volt</b><br/>         A unit for measuring the force that moves an electric current.</p>  | <p><b>伏特</b><br/>         测量移动电流的力的单位。</p>                            | <p>Power = Current · Voltage<br/>         3W = 2A · 1,5V</p>                                        |
| <p><b>Watt</b><br/>         A unit for measuring power, which is equal to the rate of one joule per second or to the power produced by a current of one ampere across a potential difference of one volt.</p> | <p><b>瓦特</b><br/>         一种测量功率的单位，等于每秒每焦耳的速率或者一安培电流每伏特电位差产生的功率。</p> |  <p>Shorter time      Longer time</p>   |