

### 1.0A Activity: Make light bulb circuit

|     | BB* point<br>FROM | BB* point<br>TO               | Connect<br>With       |
|-----|-------------------|-------------------------------|-----------------------|
| 1.1 | J23               | Bread board<br>Power (+) rail | Orange jumper<br>wire |
| 1.2 | F23               | F19                           | Resistor              |
| 1.3 | H19               | H15                           | Light bulb            |
| 1.4 | F15               | E15                           | Orange jumper<br>wire |
| 1.5 | A15               | Bread board<br>Power (-) rail | Orange jumper<br>wire |

### 1.0B Activity: Connecting light bulb circuit to battery

|     |  |  |   |
|-----|--|--|---|
| 1.6 | Bread board<br>Power (+) rail<br>that has orange<br>jumper wire<br>connected*    |  | Black connector<br>that has red wire        |
| 1.7 | Battery +<br>terminal  |  | Other side of the<br>red wire               |
| 1.8 | Bread board<br>Power (-) rail<br>that has<br>orange jumper<br>wire<br>connected* |  | Black connector<br>that has black<br>wire** |

1.9



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| Document No.: OL01 Rev 0.0                           |
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| Trim the resistor end wires to put in the breadboard |
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| * Bread board has two + columns   |
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| * Bread board has two - columns<br>** The other side of the red wire goes to battery - terminal |

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