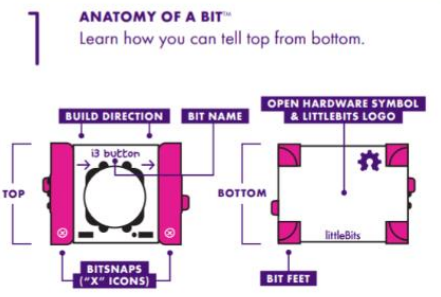
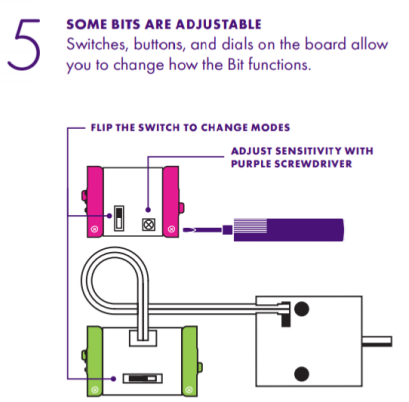
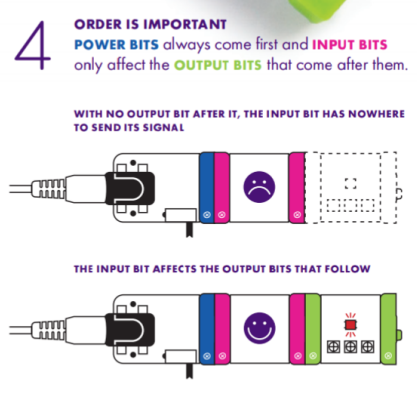
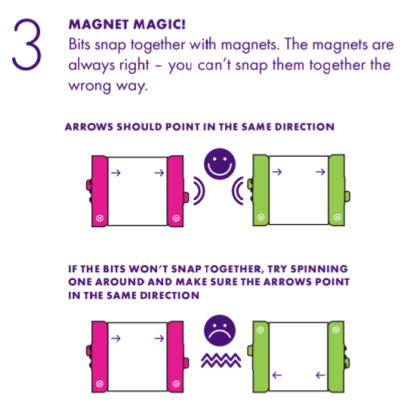


Lesson: Little Bits Introduction Student Sheet



- 2 COLOR-CODED BY FUNCTION**
Bits™ are grouped into four different categories, which are color-coded.
- A POWER (BLUE)**
Power Bits, plus a power supply, run power through your circuit.
 - B INPUT (PINK)**
Input Bits accept input from you or the environment and send signals that affect the Bits that follow.
 - C WIRE (ORANGE)**
Wire Bits connect to other systems and let you build circuits in new directions.
 - D OUTPUT (GREEN)**
Output Bits do something - light up, buzz, move...



Order is Important
Power Bits always come first and input Bits only affect the Bits that come after them.

- 1** CONNECT BATTERY AND CABLE TO BLUE BIT.
- 2** TURN IT ON.
- 3** PINK BITS AFFECT BITS AFTER THEM.
- 4** GREEN BITS DO SOMETHING.

Activity #1 - After connecting the battery and cable to the Power Bit, test the following bits to see what they do.

Bargraph	Fork	RGB LED
Button	Inverter	Slide Dimmer
Buzzer	LED	Sound Trigger
DC Motor	Long LED	Vibration Motor
Dimmer	Pressure Sensor	Wire
Fan	Pulse	

Activity #2 - Work with your group to brainstorm a problem you can solve with your own Little Bits creation.

Build and Test your prototype.

Explain your invention to your teacher or the Wizard.

Activity #3 – Complete the Little Bits Circuit Building sheet.

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<https://docs.google.com/forms/d/1qnaIQBAUNcqnYlxdhn4YaXwsmbJWw6xAcTCAxg3PPE/edit?pli=1>;
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