1. **ANATOMY OF A BIT**
   - Learn how you can tell top from bottom.

2. **COLOR-CODED BY FUNCTION**
   - Bits are grouped into four different categories, which are color-coded.
   - **Power (Blue)**: Power Bits, plus a power supply, run power through your circuit.
   - **Input (Pink)**: Input Bits accept input from you or the environment and send signals that affect the Bits that follow.
   - **Output (Green)**: Output Bits do something – light up, buzz, move…
   - **Wire (Orange)**: Wire Bits connect to other systems and let you build circuits in new directions.

3. **MAGNET MAGIC**
   - Bits snap together with magnets. The magnets are always right – you can’t snap them together the wrong way.
   - **ARROWS SHOULD POINT IN THE SAME DIRECTION**
     - If the Bits won’t snap together, try spinning one around and make sure the arrows point in the same direction.

4. **ORDER IS IMPORTANT**
   - Power Bits always come first and Input Bits only affect the Output Bits that come after them.
   - With no Output Bit after it, the Input Bit has nowhere to send its signal.
   - The Input Bit affects the Output Bits that follow.

5. **SOME BITS ARE ADJUSTABLE**
   - Switches, buttons, and dials on the board allow you to change how the Bit functions.
   - **FLIP THE SWITCH TO CHANGE MODES**
   - **ADJUST SENSITIVITY WITH**
     - **PURPLE SCREWDRIVER**

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[Diagram of Bits connections and functions with labels for each category.]

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**BASICS**

**BUILD & PLAY**

With this circuit first, you can start exploring how Bits interact with each other. Each connection and switch on the board is designed to teach you about electronics and logic in a fun and interactive way.