Markers

To draw Color Codes, you'll need black, red, green, and blue markers (included with your Ozobot).

Dry erase  Colored pencil  Crayons  Highlighter

Alternatives: Crayola Classic / Crayola Pastels / Sharpie Chisel Tips

Lines, Corners, & Curves

Line Thickness:
5mm / 0.2in / 14 pt

Tips:
The flat side of your Ozobot marker's chisel tip is the perfect thickness

Ozobot Markers

Color Guide for Color Codes

<table>
<thead>
<tr>
<th>Color Code</th>
<th>RGB</th>
<th>CMYK</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB: 72/183/73 CMYK: 72/0/100/0 #48b749</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RGB: 0/131/202 CMYK: 100/35/0/0 #0083ca</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RGB: 237/28/36 CMYK: 0/100/100/0 #ed1c24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RGB: 0/0/0 CMYK: 20/20/20/100 #130c0e</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**What is a Color Code?**

A Color Code is a short sequence of 2 to 4 colors that Ozobots Evo and Bit can read and respond to. Evo and Bit use optical sensors and respond with pre-programmed behaviors—by speeding up, slowing down, changing direction, or making cool moves (see Color Code Chart).

**What Not to Do**

- Codes on black lines only
- Squares should not have space in between them
- Codes should not overlap
- Too dark
- Squares should be 5x5mm max
- Squares should be the same height as the line
- Codes should be the same size
- Squares should be at least 5x5mm max
- Codes should be at least 1in apart
**1.** There should be at least 1in distance between any parallel tracks.

**2.** Zigzag and Backwalk require min 2.5in after the end of the code to pick up another Color Code or intersection.

**3.** Spin and Tornado require min 1.25in after the end of the code to pick up another Color Code or intersection.

**4.** Line Switch Right and Line Switch Left require a parallel black line beside it. Line Switch Straight requires a perpendicular line.

Lines that end with a Color Code should look like this. Leave a safe area of 0.8in (2cm) in diameter.
When creating maps, print the next page and refer to the guides on this page for more information.

Any black lines and Color Codes should be placed within this red box.

Any black lines and Color Codes should be placed at least 0.5in away from the titles and date/name.

Any black lines and Color Codes should be placed 1in away from left and right edge of the paper.

Any black lines and Color Codes should be placed within the red box and not touching footers.