# Color Code | Guide

#### **Markers**

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









Dry erase

Colored pencil

Crayons

Highlighter

# Ozobot Markers Alternatives: Crayola Classic / Crayola Pastels / Sharpie Chisel Tips

#### Lines, Corners, & Curves







Too thick

Inconsistent



#### Draw a line Ozobot can follow

Line Thickness: 5mm / 0.2in /14 pt

#### Tips:

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

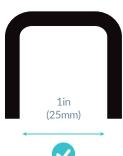


#### **Line Spacing**



Lines should be at least 1in (25mm) from another line



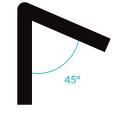


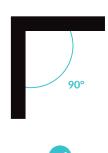
#### Angles



Ideal angle: 90°







Too close



Too sharp

#### **Color Guide for Color Codes**



RGB: 72/183/73 CMYK: 72/0/100/0 #48b749



RGB: 0/131/202 CMYK: 100/35/0/0 #0083ca



RGB: 237/28/36 CMYK: 0/100/100/0 #ed1c24



RGB: 0/0/0 CMYK: 20/20/20/100 #130c0e

# Color Code | Guide 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).

**Line Color** 

Draw Color Codes

5mm
(14 pt)

Color Codes should look like this,
with each square measuring 5x5mm

1in /2.5cm

Front sensors detect lines to follow

Middle sensor

**SOUCT** 

(e\/0

Line Thickness

detects colors

**End Line** 

2-color codes need to be at line end

**Optical Sensors** 

Min: 0.2in (4mm) Max: 0.3in (7mm)

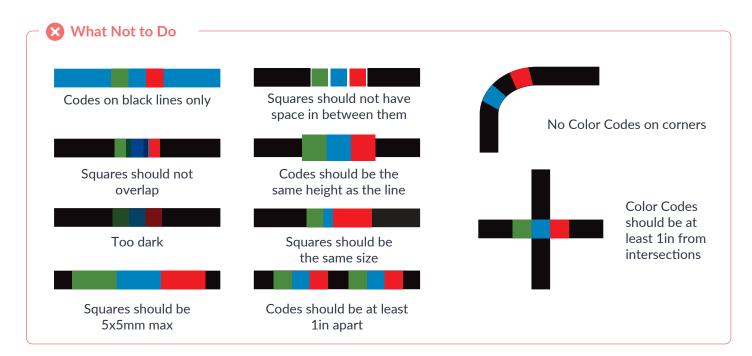
Safe Area

You must have black lines before and after each Color Code, except for the Line-End Color Codes (e.g. U-Turn, Win/Exit) Make sure to keep a minimum of 1in (2.5 cm) between Color Codes or between a Color Code and an intersection

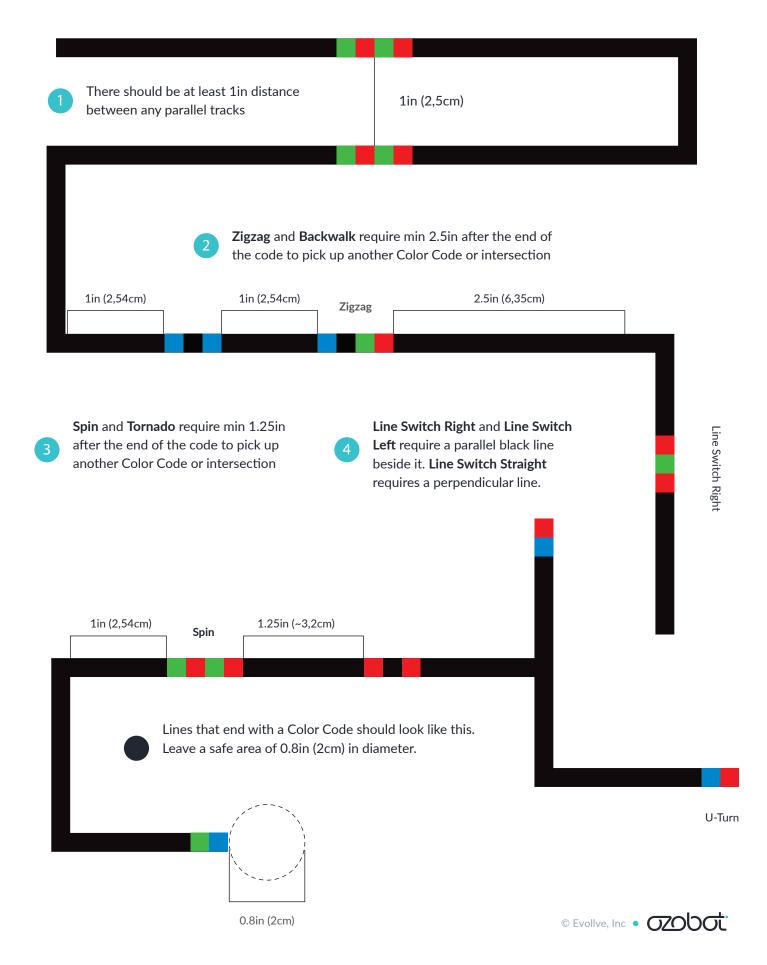
**Spacing** 

1in /2.5cm

Leave 0.5in (~1cm) of white space on each side of the line

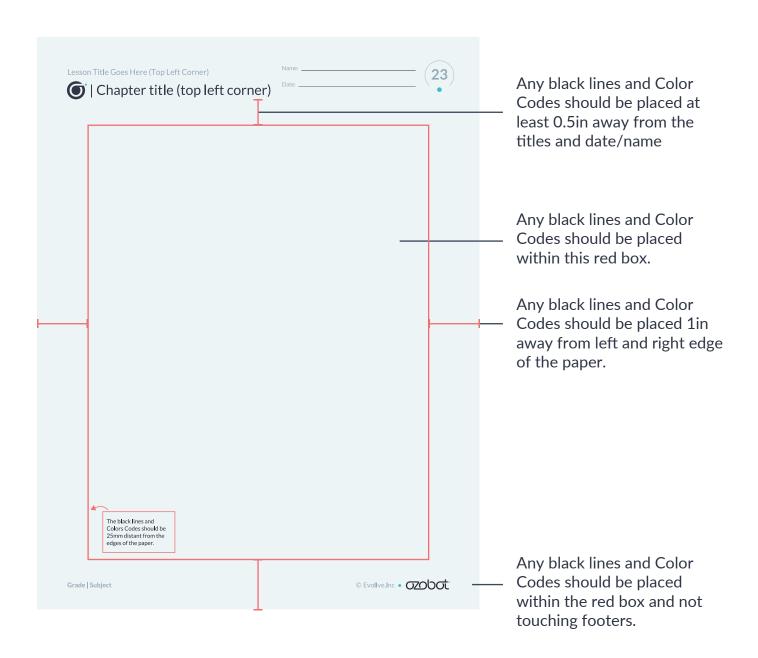


# Color Code | Lesson Maps Guide



### Color Code | Lesson Maps Guide

When creating maps, print the next page and refer to the guides on this page for more information.



# Chapter title (top left corner)

0.5in (~13 mm)

1in (25 mm)

1in (25 mm)

# Chapter title (top left corner)

0.5in (~13 mm)

1in (25 mm) 1in (25 mm)