

Get to Know Evo

Activity Sheet

Name: _____

Date: _____

KEY TERMS

Bluetooth Antenna

Power Button

Proximity Sensors

Wheels/Motor

Color Sensor

LED Light

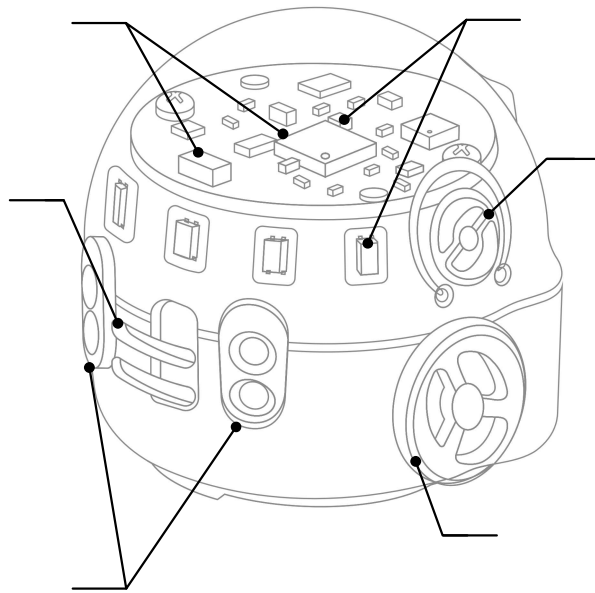
Charging Contacts

Speaker

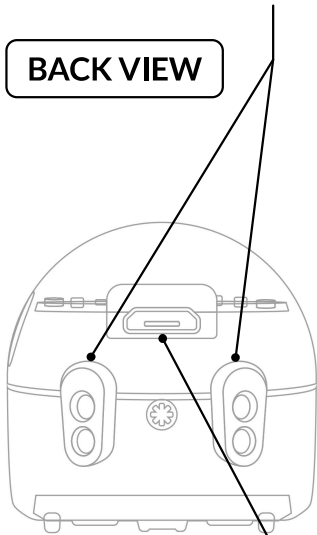
Charging Port

Line Following Sensors

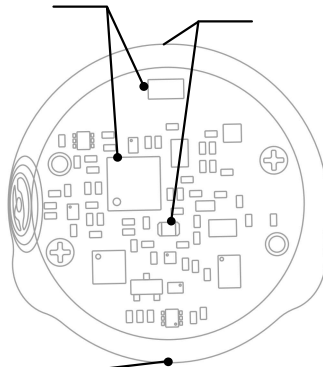
FRONT VIEW



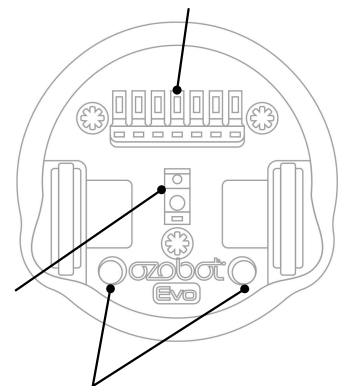
BACK VIEW



TOP VIEW



BOTTOM VIEW



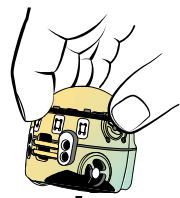
Intro to Color Codes 01:

Basic Training

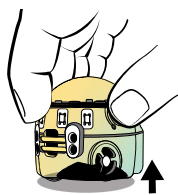
Name: _____

Date: _____

CALIBRATE YOUR OZOBOT



Step 1



Step 2 press power button 5 sec.

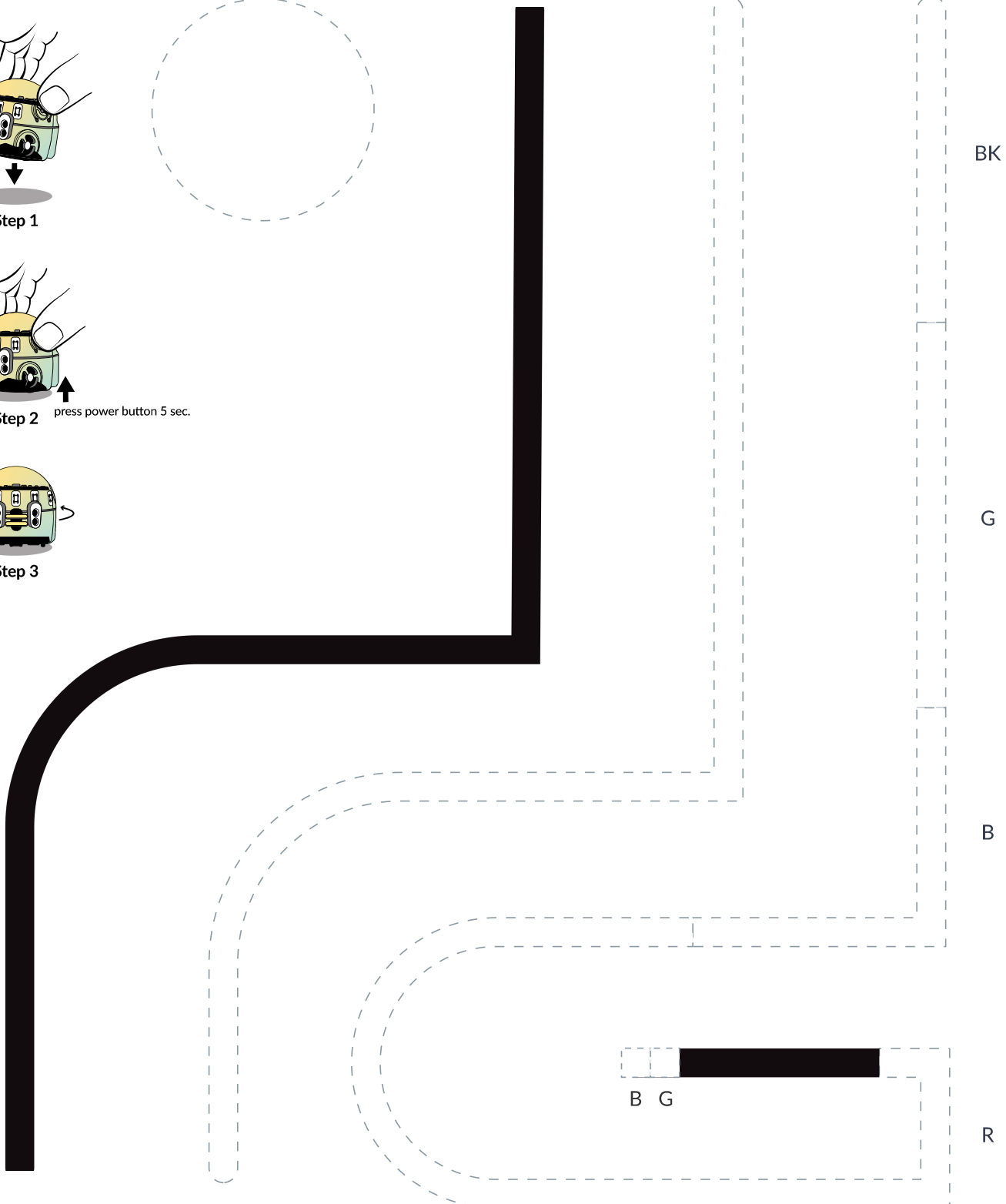


Step 3

1

2

3



Intro to Color Codes 01:

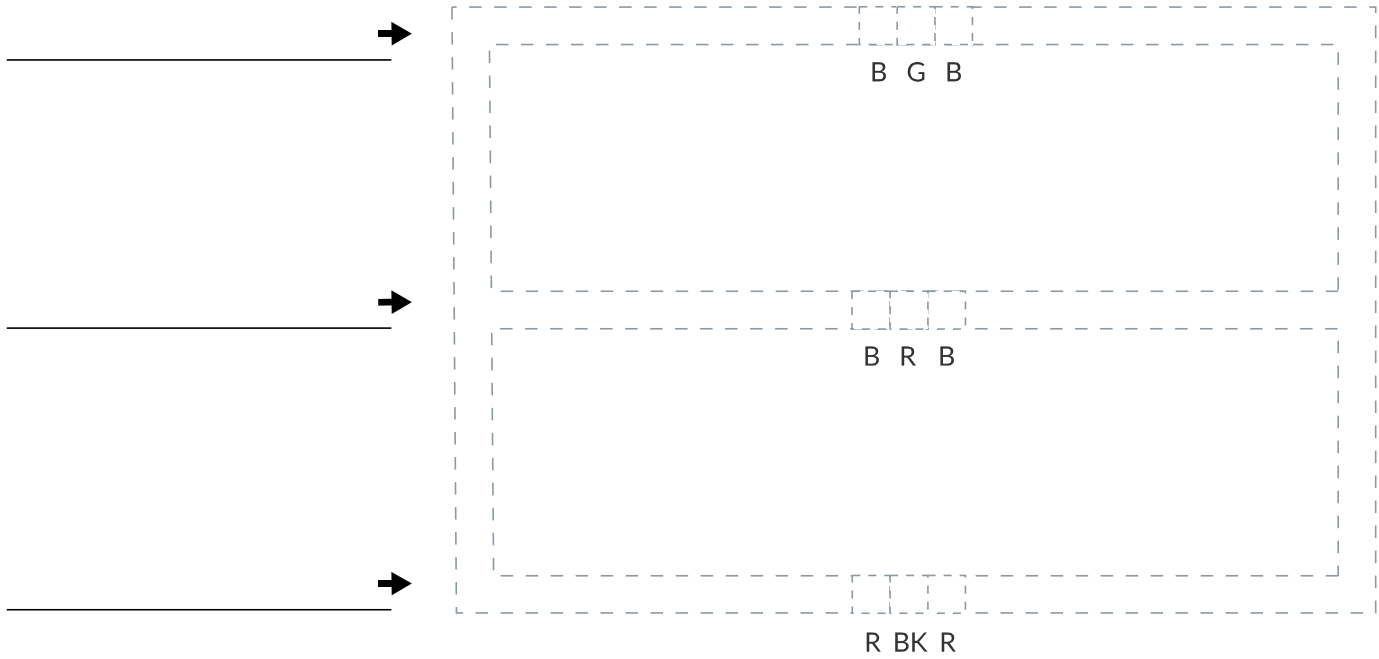
Basic Training

Name: _____

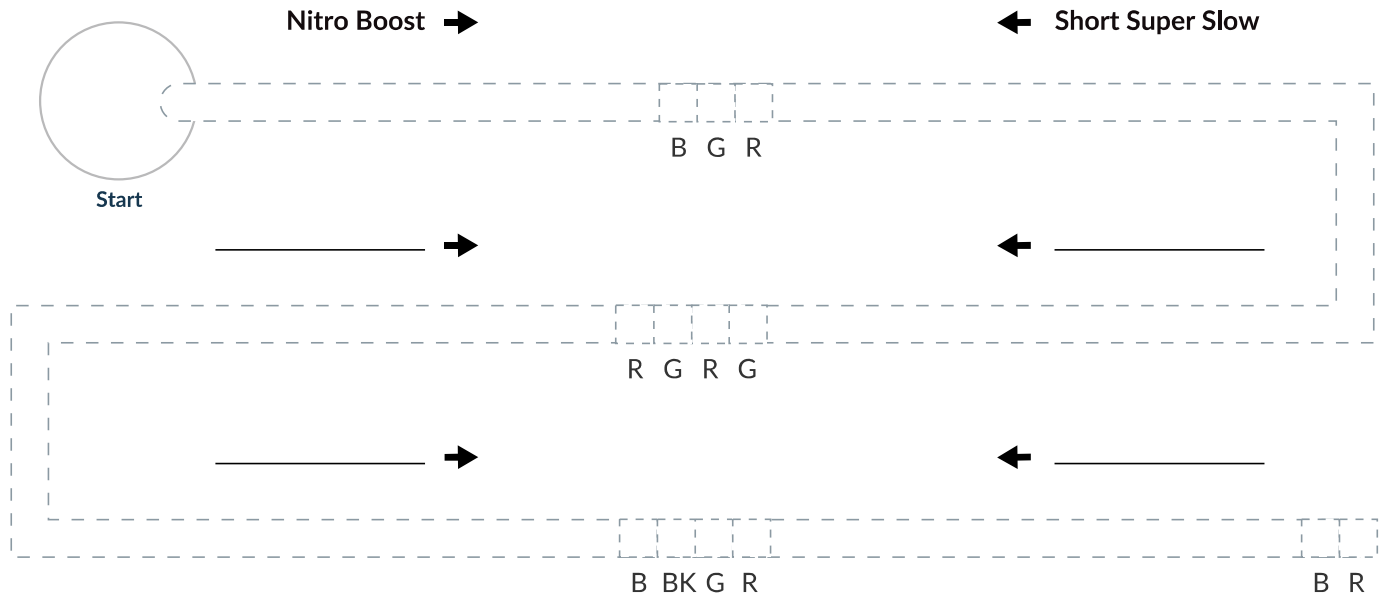
Date: _____

SYMMETRIC CODES

The Color Code programs my bot to:



ASYMMETRIC CODES



• Color Key

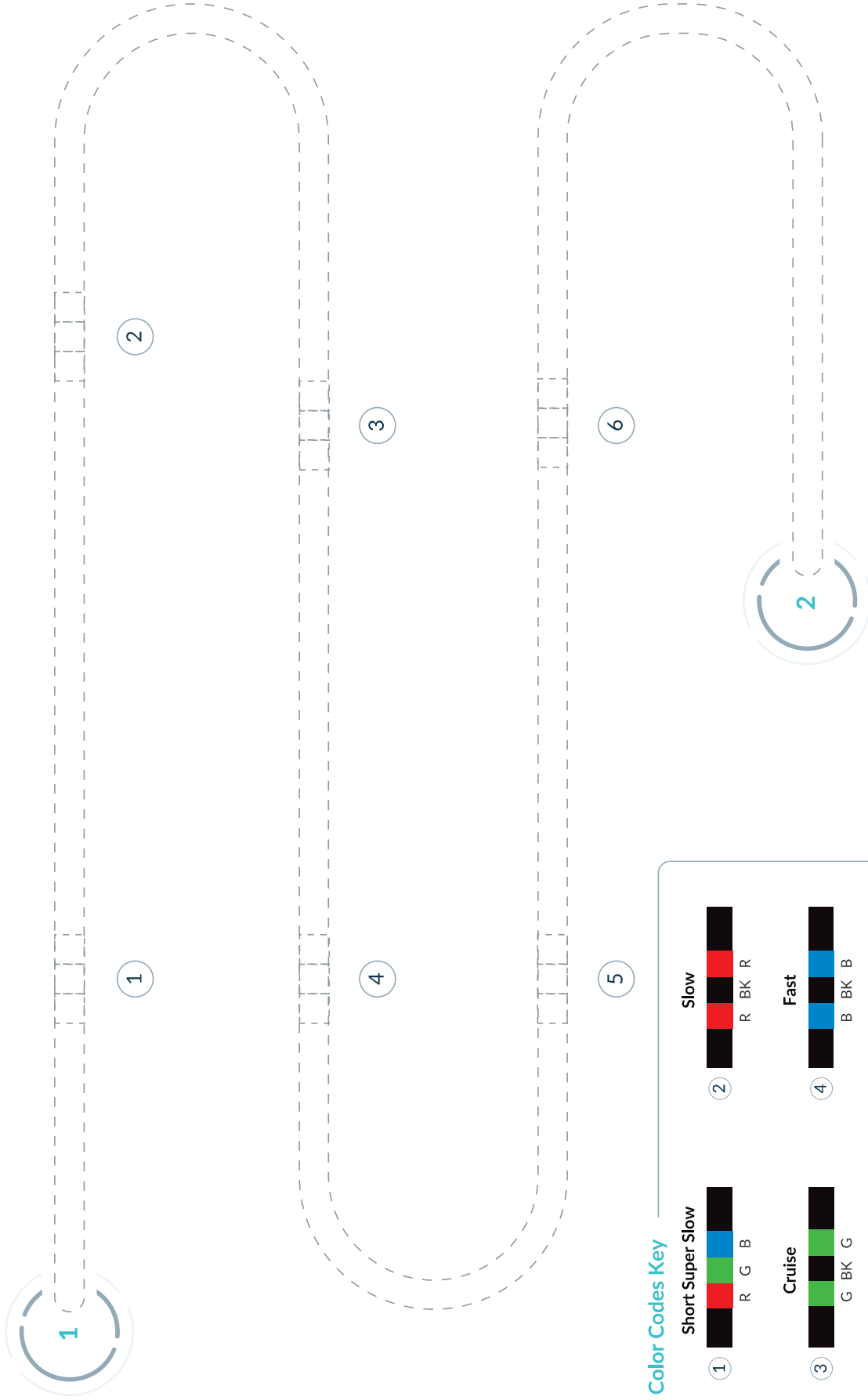
BK =  B =  R =  G = 

Introduction to Color Codes 02:

Speed

Name: _____
Date: _____

1



Color Codes Key

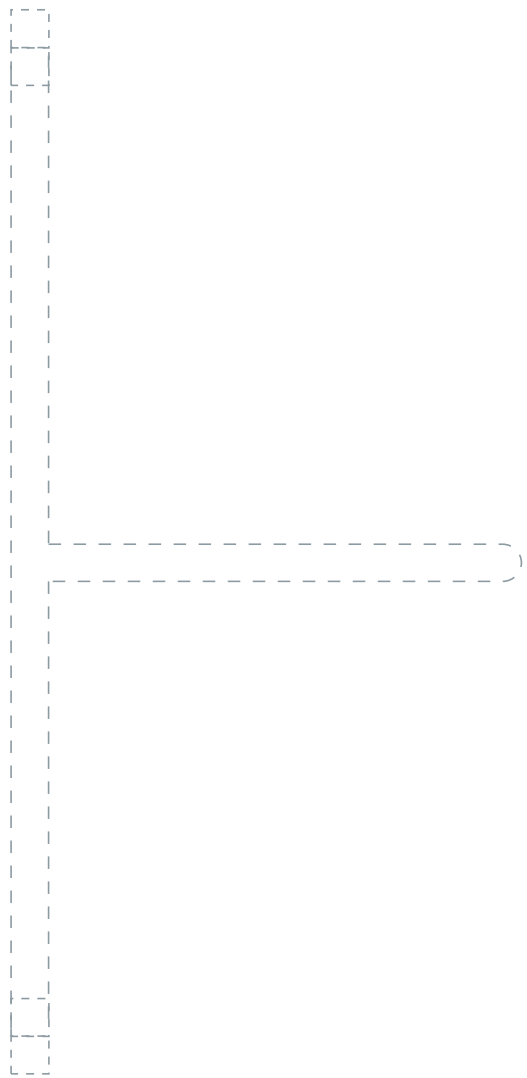
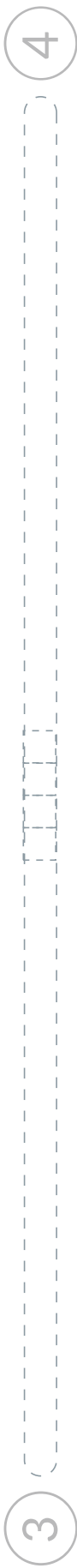
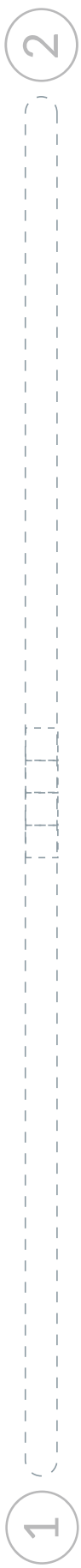
1		Short Super Slow	R G B
2		Slow	R BK R
3		Cruise	G BK G
4		Fast	B BK B
5		Turbo	B G B
6		Nitro Boost	B G R

Introduction to Color Codes 03:

Special Moves and Win

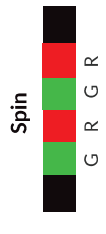
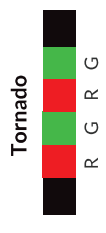
Name: _____

Date: _____



5

Color Codes Key



Introduction to Color Codes 04:

Name: _____

Date: _____

Direction

1

R R B G

R G B

2

• Color Codes Key

Left at Intersection



G BK R

Straight at Intersection



B BK R

Right at Intersection



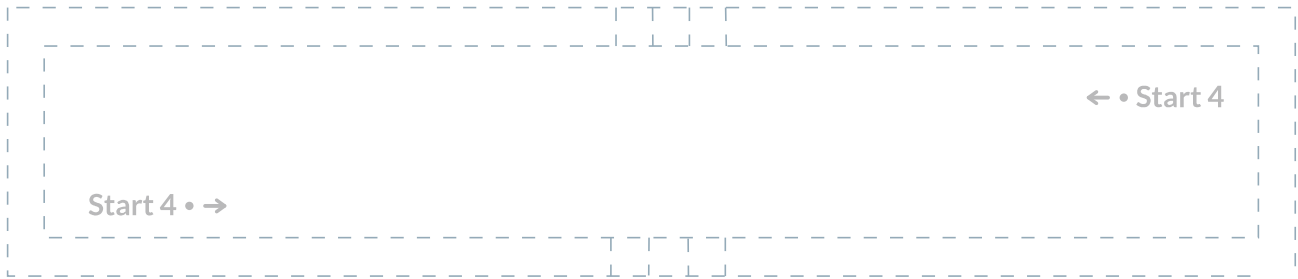
B R G

Introduction to Color Codes 04:

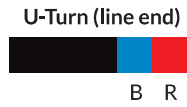
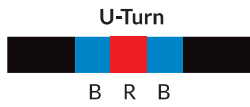
Name: _____

Date: _____

Direction



• Color Codes Key



6



5

5

Go to



6

Go to



Introduction to Color Codes 05:

Skills Check

Name: _____
Date: _____

Color Codes Key

Left G BK R	Right B R G	Straight B BK R
U-Turn (line end) B R	Nitro Boost B G R	Win/Exit (Play Again) G B
Spin G R G R	Zigzag B BK G R	
	Backwalk R G BK B	

1 →

2

3

4

5

6

7

8

9

10

11

12

13

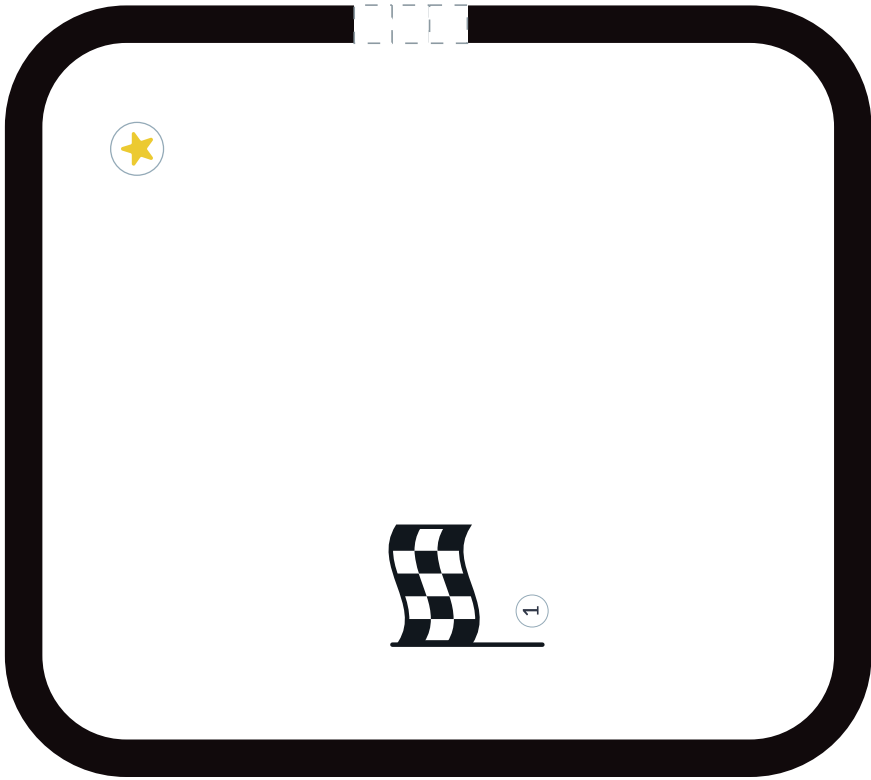
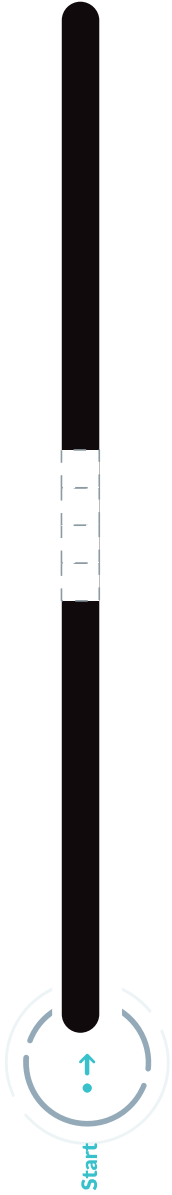
Introduction to Color Codes 06:

Timers

1

Name: _____

Date: _____



Color Codes Key

Timer on (30 sec. to stop)



R BK B G

Slow



R BK R

Turbo



B G B

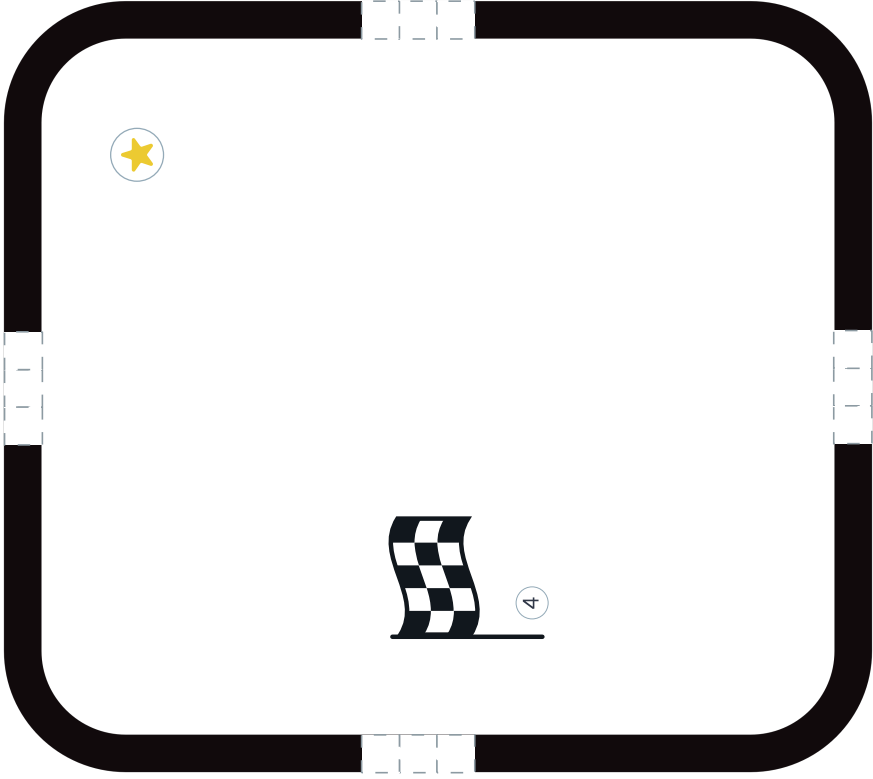
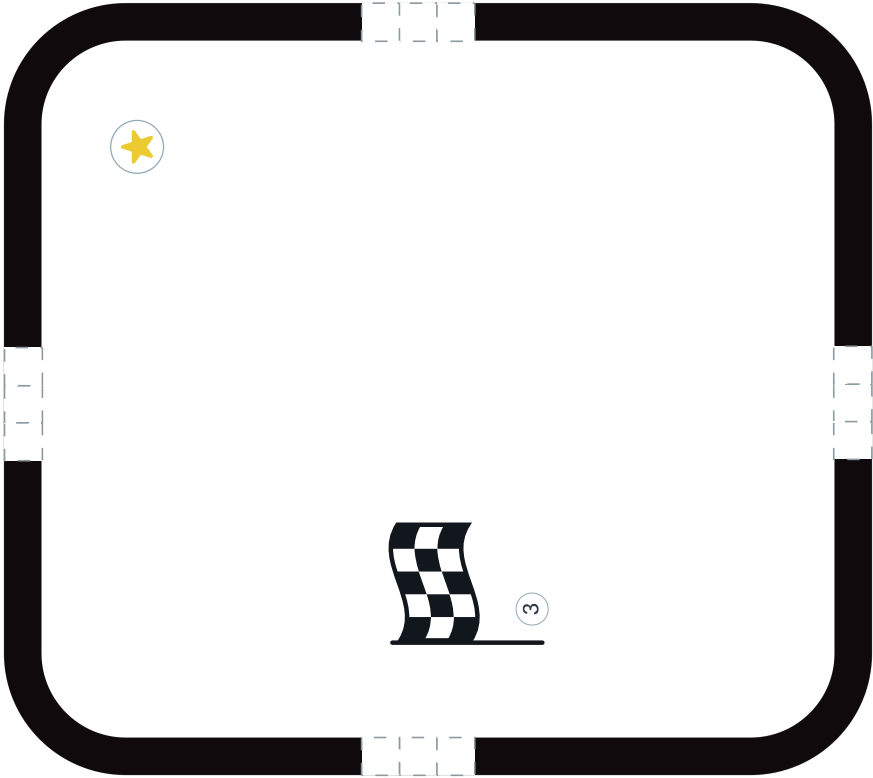


Introduction to Color Codes 06:

Timers

2

Name: _____
Date: _____



Color Codes Key

Timer on (30 sec. to stop)



Pause



Slow



Turbo



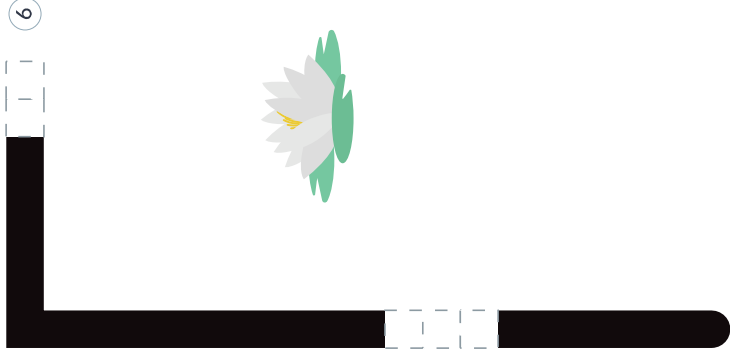


Introduction to Color Codes 07:

Line Switch

1

Name: _____ Date: _____



Color Codes Key

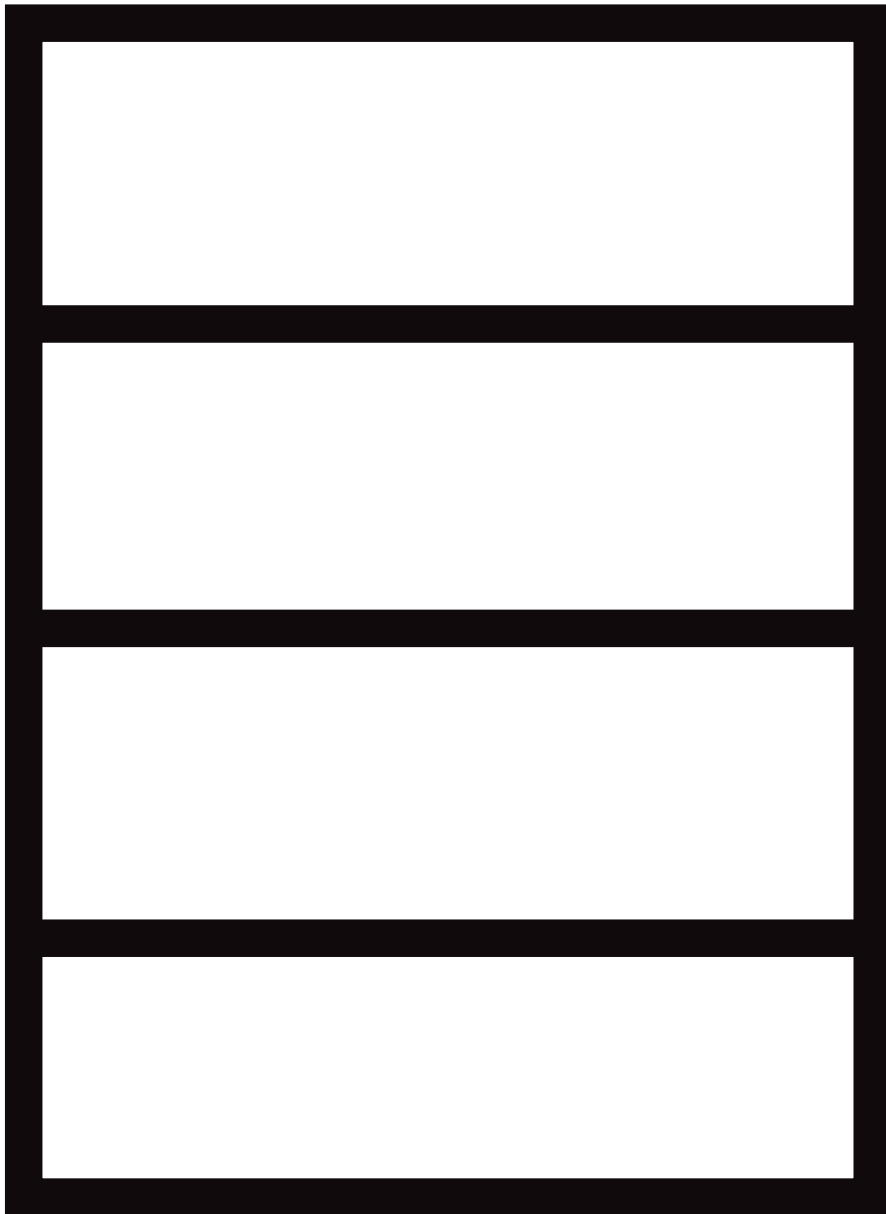
	Line Switch Left		Line Switch Straight		Line Switch Right
G R G		G B G		R G R	
	U-Turn (line end)		Win/Exit (Play Again)		
B R		G B			

Introduction to Color Codes 08: Counters

Name: _____

Date: _____

1



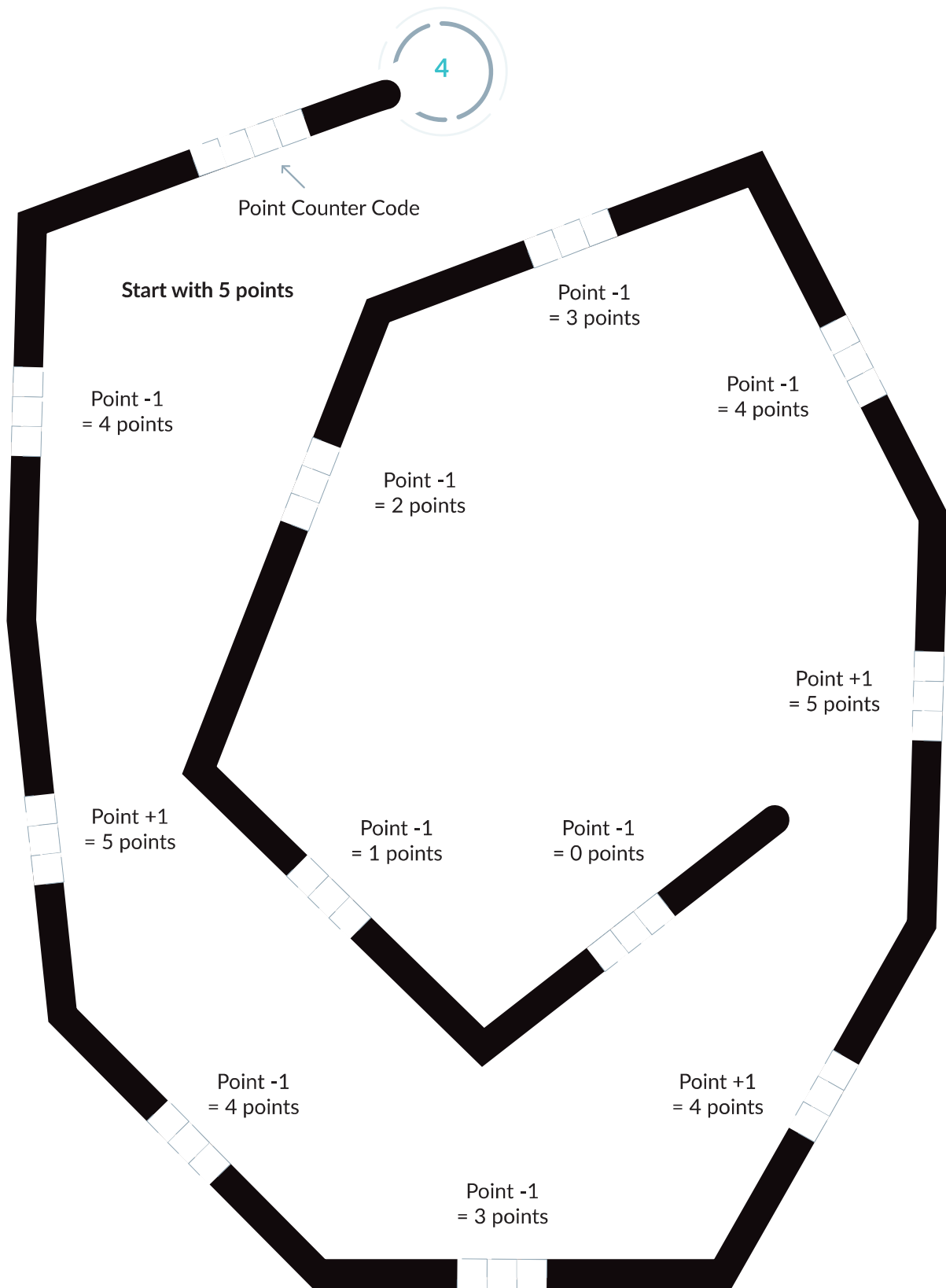
R
B
G
B
R
G
R

R
G
B
R
G



B

R B G R



Introduction to Color Codes 09:

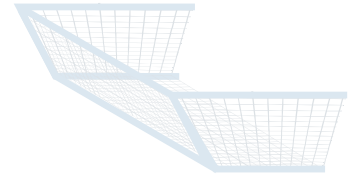
Skills Check 2

Name: _____
Date: _____

1



Start



Color Codes Key

Turbo B G B	U-turn (line end) B R
Line Switch Left G R G	Line Switch Straight G B G
Line Switch Right R G R	Win/Exit (Play Again) G B
Timer on (30 sec. to stop) R BK B G	

