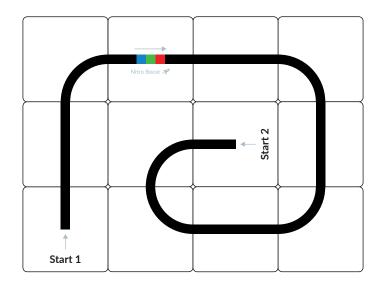# Speed Kit Lesson 5

Nitro Boost and Short Super Slow
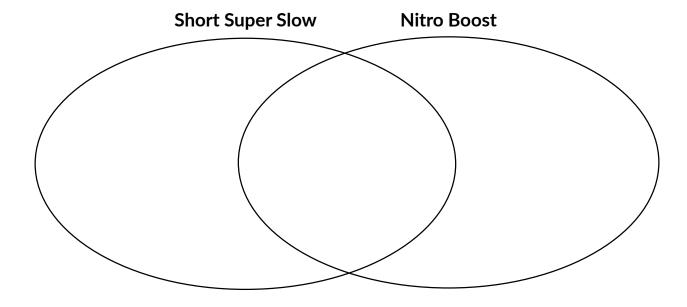
Name:_____

Date:_____

Note that Short Super Slow and Nitro Boost are asymmetrical codes and are opposites of each other. Each one runs for 3 seconds and then the bot returns to Cruise speed. Create the spiral below using the Nitro Boost Code. Observe the similarities and difference as the bot travels different directions over the code. When traveling from Start 1 the code is Nitro Boost which makes the bot go very fast and flash lights very fast. When traveling from Start 2, the code will read in the opposite direction as Short Super Slow. Discuss with students the similarities and differences of these two codes using a Venn Diagram.

Introduce a Venn Diagram and ask what the codes have in common and what is different about them.

Short Super Slow   **Nitro Boost**

ozobot

Speed Kit Lesson 5

Nitro Boost and Short Super Slow

Possible Solution

Short Super Slow   **Nitro Boost**

Goes really slow

Color sequence is
red, green, blue

Red and white
lights flash

Code has three colors:
green, blue, and red

Runs for 3 seconds

Asymmetrical

Goes really fast

Color sequence is
blue, green, red

Lights flash fast

Green and white
lights flash

COLOR CODE MAGNETS   ozobot