**Sprint 1 – Endurance Algorithm**

* Start program when robot is on the starting yellow tile
* Robot outputs green main LED to start
* Robot says “Ready, set, go!”
* Robot rolls forward 11 feet at 40 speed at 0 degrees for 9 seconds
* Robot stops at first yellow tile
* Robot rolls forward 5 feet at 40 speed at 90 degrees for 4.25 seconds
* Robot stops at second yellow tile
* Robot rolls forward 11 feet at 40 speed at 180 degrees for 9 seconds
* Robot stops at third yellow tile
* Robot rolls forward 5 feet at 40 speed at 270 degrees for 4.25 seconds
* Robot stops at fourth yellow tile where it started
* Robot outputs red main LED
* Robot says “I’m done, and I need water.”
* End the program