# Drive up Hill to Traffic Light

## Straight Line Function

## Check Straight Line function

## Make Corrections

### Correction Function

# Hang Traffic Light

## Raise Forklift function

## Confirm Traffic Light Hung

### Detect pressure switch

# Spin Crank

## Turn 90 degrees

### Turn function

### Turn check function

## Drive to Crank

### Straight line function

### Straight line check function

## Turn Crank

### Crank turning function

## Confirm Crank Spun

### Crank check function

# Hit Subway Button

## Turn 180 Degrees

### Turn function

### Turn check function

## Drive Straight into Button

### Straight line function

### Check Straight line function

## Confirm Subway Button

### Confirm button function

# Read Dumpster LED

## Turn 180 degrees

### Turn function

### Check turn function

## Drive straight to top of hill

### Drive straight function

## Turn 90 degrees

### Turn function

### Check turn function

## Drive straight down hill

### Drive straight function

### Check straight function

## Turn 90 degrees

### Turn function

### Check turn function

## Drive over sensor

### Drive straight function

### Check straight function

## Take reading

### CdS reading function

### Check CdS function

# Place Dumpsters in Bin

## Turn 90 degrees

### Turn function

### Check Turn function

## Drive straight to dumpster

### Drive straight function

### Check straight function

## Pick up dumpster

### Raise forklift function

## Turn 180 degrees

### Turn function

### Check turn function

## Drive straight to receptacle

### Drive Straight function

### Check straight function

## Lower forklift until resistance

### Lower forklift function

### Check bump sensor

## Back up

### Back up function

### Check dumpster removal function

## Turn 90 degrees

### Turn function

### Check turn function

## Go straight

### Straight line function

### Check Straight function

## Turn 90 degrees

### Turn Function

### Check turn function

## Go straight to dumpster

### Straight line function

### Check line function

## Pick up Dumpster

### Raise forklift function

### Check forklift function

## Turn 180 degrees

### Turn function

### check turn function

## Go straight

### Straight line function

### Check line function

## Turn 90 Degrees

### Turn function

### Check turn function

## Go straight to receptacle

### Straight line function

### Check straight function

## Turn 90 Degrees

### Turn function

### Check turn function

## Lower forklift until resistance

### Lower forklift function

### Check forklift function

## Back up

### Back up function

### Check dumpster removal function

# Hit End Button

## Finish lowering forklift

### Lower forklift function

### Check lower function

## Turn 90 degrees

### Turn function

### Check turn function

## Go straight to bottom of hill

### Drive straight function

### Check straight function

## Turn 90 Degrees

### Turn function

### Check turn function

## Go straight

### Straight line function

## Ram button

### Full speed function

# Confirm End Button

## Ram button 3 more times

### Check end button function