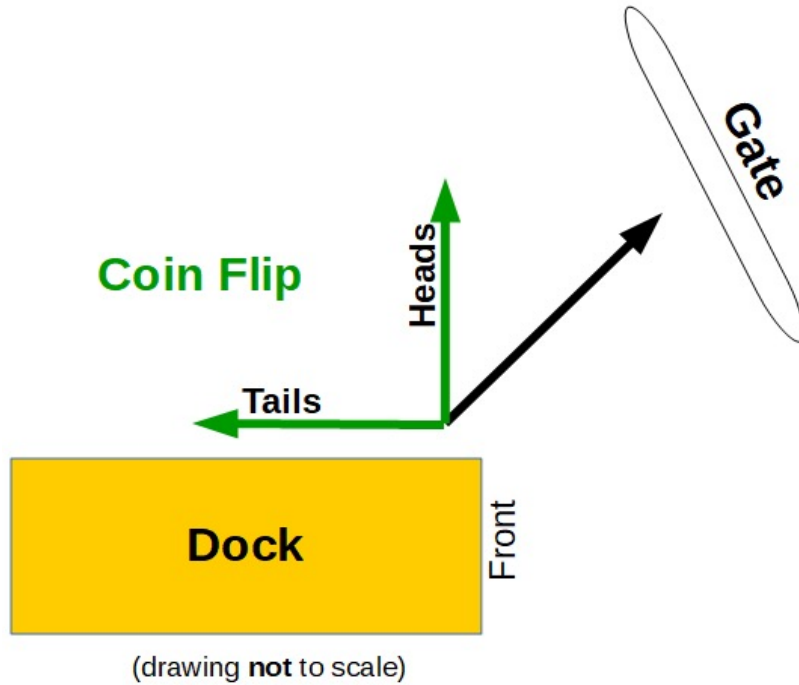


25th Annual
RoboSub 2022
Task Ideas

Roarin' 20's



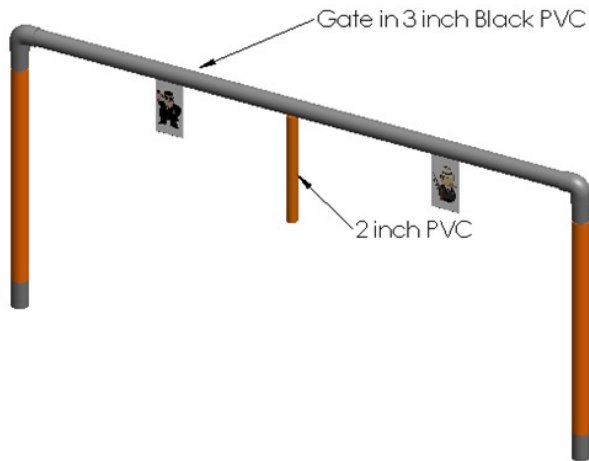
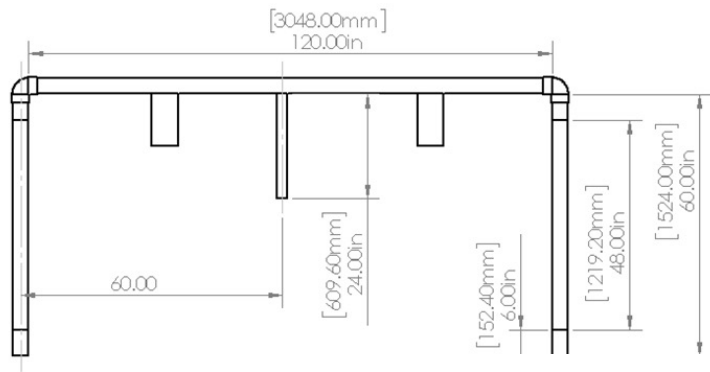
With Moxxy | Coin Flip



- Random orientation
 - 90° or 180° from dock



Choose Your Side | Gate



G-man
Side

Bootlegger
Side

Choose your side

- Bootlegger
- G-man

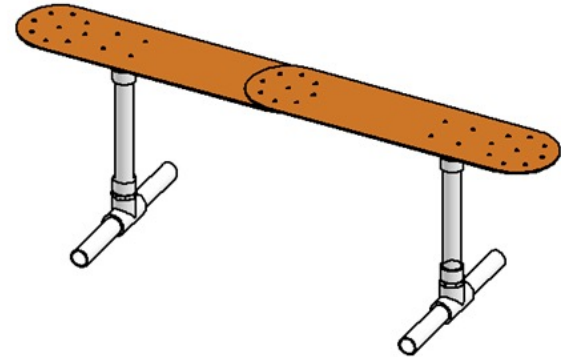
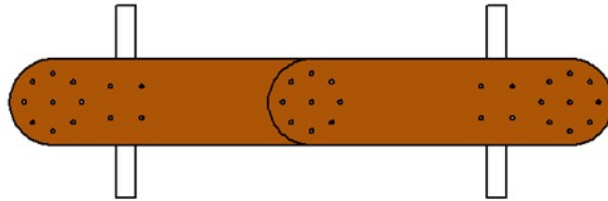
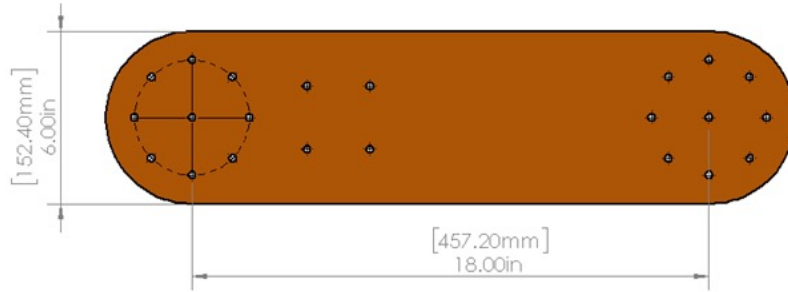
Extra points for staying with your side for the rest of the tasks

With Style

- 10 ft/9 m before/after gate
- Extra points
 - Every 90° change in orientation
 - Yaw: +100
 - Roll/Pitch: +200
 - Up to 800 points



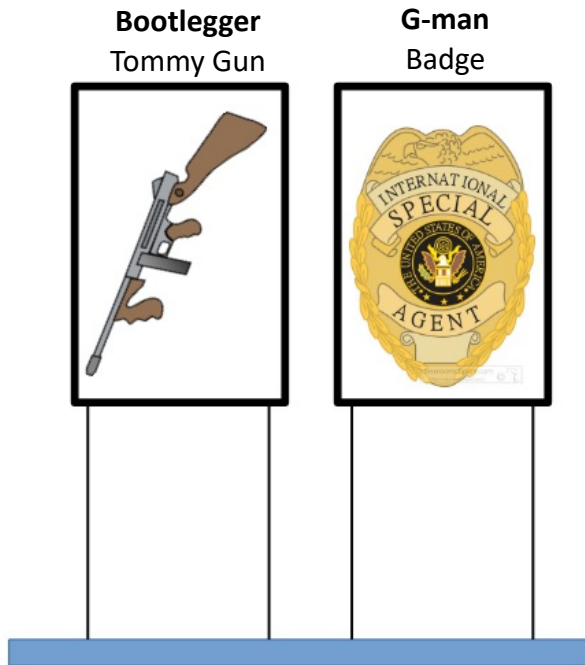
Path



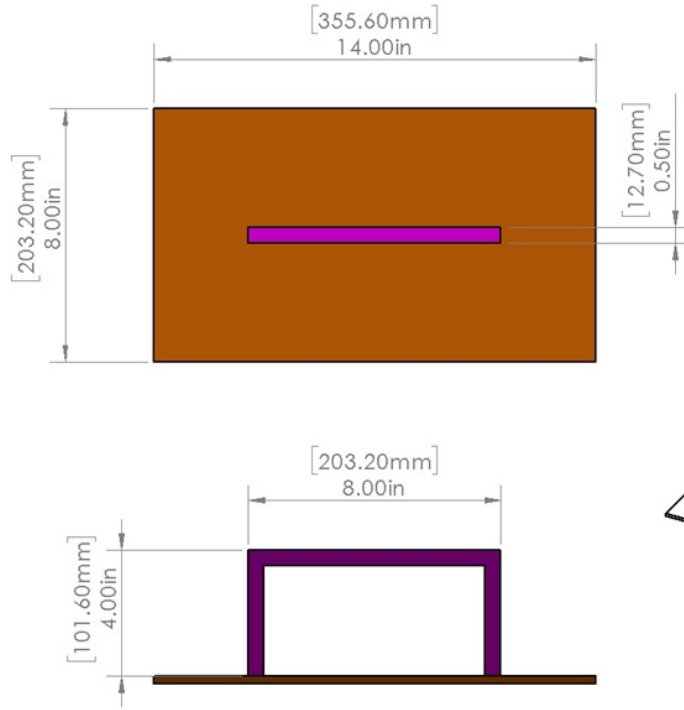
Make the Grade | Buoys

🚢 Buoys are two sided

- Touch the appropriate buoy for your chosen side for extra points



Collecting | Bins

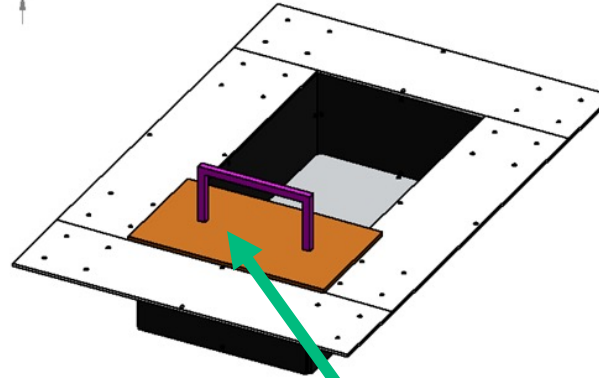


🚢 1/3 of each bin is covered

- Lift off cover

🚢 “Bottle” item near bins

- Drop “bottle” in appropriate bin for extra points



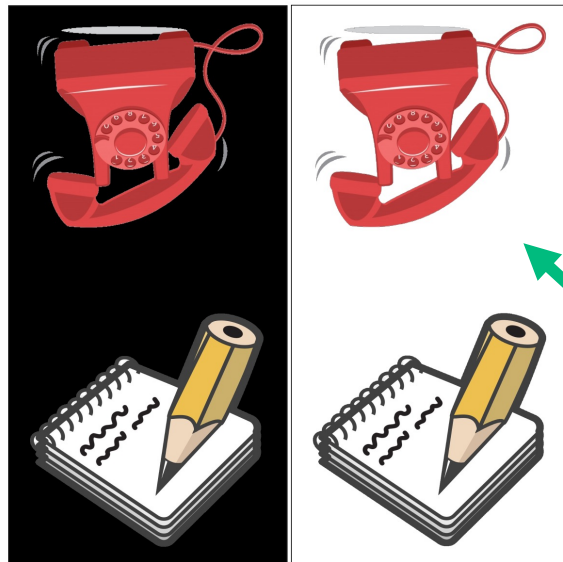
Vote on the color of the cover and handle



Collecting | Bins



Bootlegger Side
Bottle / Barrel



G-man Side
Phone / Paper

 Drop markers in appropriate bins

 “Bottle” item near bins

- Drop “bottle” in appropriate bin for extra points

Vote on the color of the background

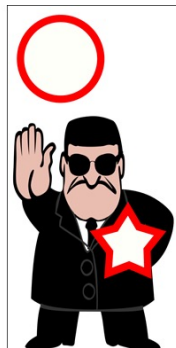


Survive the Shootout | Torpedoes

Bootlegger
Side



G-man
Side



Each panel has two different size openings

Bootlegger

- Torpedo G-man for extra points

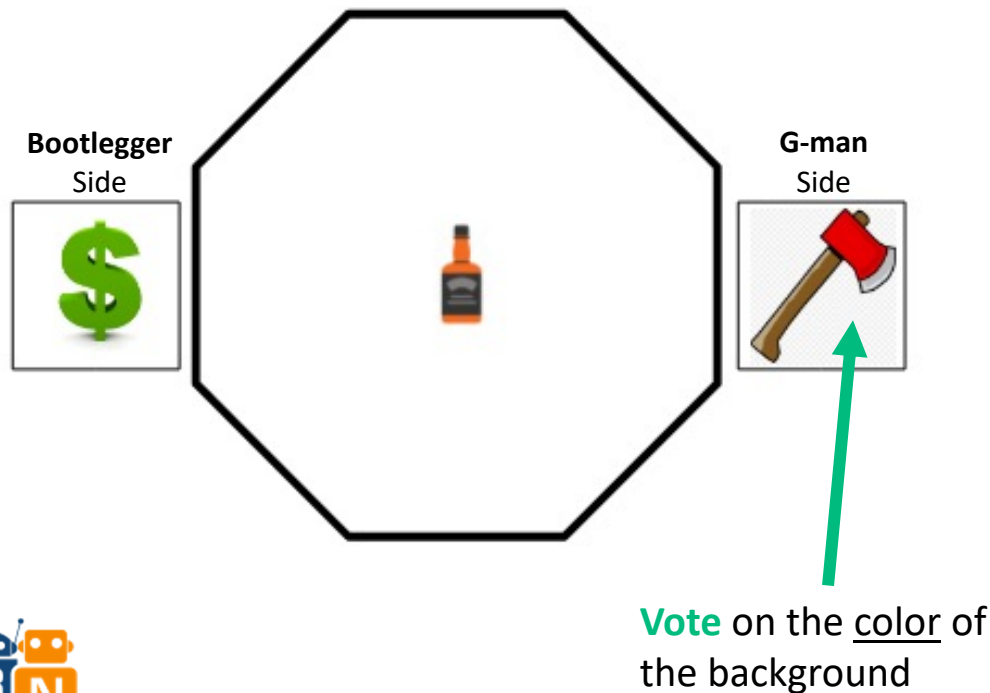
G-man

- Torpedo Bootlegger for extra points

Vote on the color
of the border



Cash or Smash | Octagon



4 “bottles” in the center of the octagon. Bring bottles to appropriate area for extra points

- G-man brings bottles to Axe
- Bootlegger brings bottles to \$

One Pinger located at the center of the octagon

Vote on the color of the background



Finding the tasks

Path

- One from Gate to Make the Grade (Buoy)

Pinger

- One located at the center of the octagon

Vote on the location of the second pinger

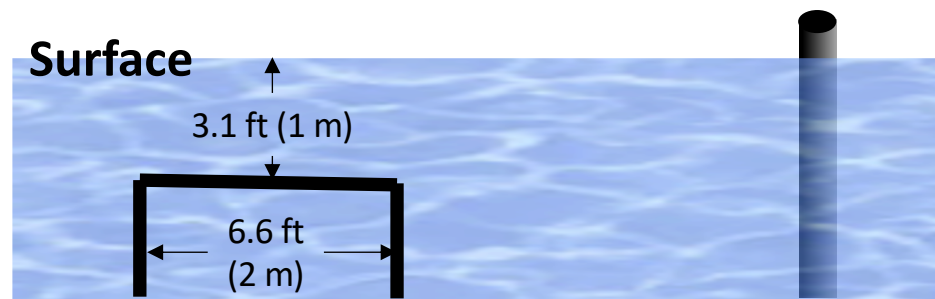
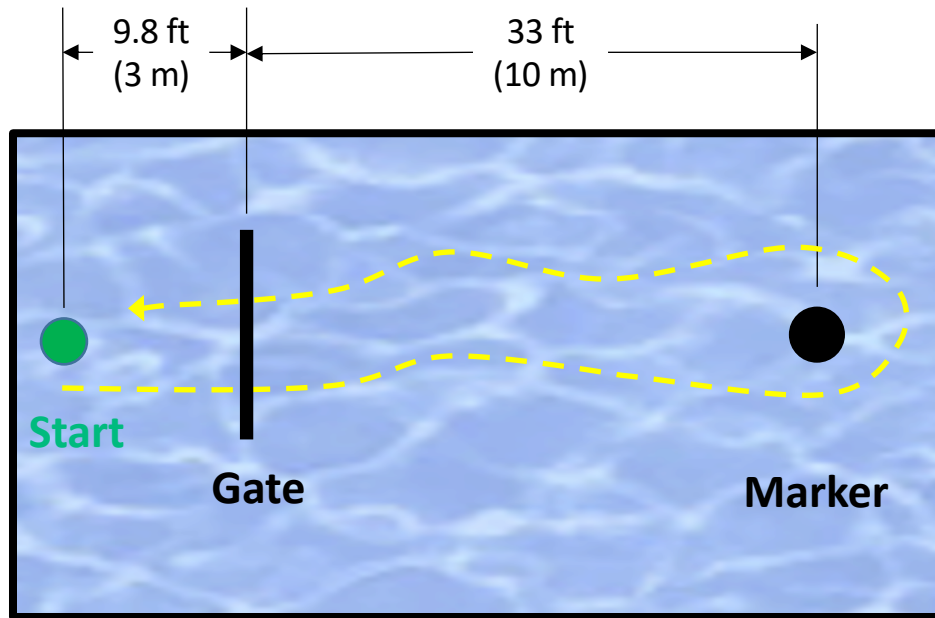
- Collecting (Bins)
- Survive the Shootout (Torpedoes)

Second path will point toward the other task



Pre-qualification

- Optional
- Must be submitted before being on-site at competition
- Directions on how to do this will follow



(drawing **not** to scale)