25th Annual
RoboSub 2022
Task Ideas

Roarin’ 20’s
With Moxy | Coin Flip

Coin Flip

Dock

Heads

Tails

Front

Gate

Random orientation
- 90° or 180° from dock

(drawn not to scale)
Choose Your Side | Gate

- Choose your side
  - Bootlegger
  - G-man

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

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Gate in 3 inch Black PVC

2 inch PVC

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Choose your side

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
Buoys are two sided

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

- Bootlegger
  Tommy Gun

- G-man
  Badge
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

- Drop markers in appropriate bins
- "Bottle" item near bins
  - Drop "bottle" in appropriate bin for extra points

Vote on the color of the background

Bootlegger Side
Bottle / Barrel

G-man Side
Phone / Paper
Survive the Shootout | Torpedoes

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)