

2022 Botball Scoring Examples

Basic – push poms off black line– driving and/or line following

Basic – bulldoze ring stand onto Side– drive forward

Basic –knock ring stand over so rings touch surface– drive forward, effector

Basic- push cubes near start box onto black tape

Basic – Blocks onto Side-movement and basic servo

Basic- knock Botguy onto Side- Driving and effector to reach Botguy

Intermediate- push poms off black line– driving and/or line following-take to start box

Intermediate – Blocks onto Side- driving + static effector

Intermediate – Blocks collected and bulldozed to black line- movement, servo, sensor to find black line

Intermediate- open door and release tennis balls and pickle ball to Side

Intermediate- Collect Poms and/or Botguy and/or Pickle Ball and/or Tennis Balls and/or Rings push into Start Box

Intermediate- Put Poms and/or Tennis Balls and/or Pickle Ball and/or Botguy into transporter

Intermediate- Collect Poms and put onto any surface of Air Lock

Intermediate/Advanced Collect Poms, Botguy and/or Pickle Ball and/or Tennis Balls and/or Rings and/or Empty Ring Stand and push into Sample Isolation.

Intermediate/Advanced- Collect blocks and Stack Blocks on Black tape line- driving-servos (claw/arm), sensors finding black line.

Intermediate/Advanced - Collect blocks and make stacks sorted and unsorted <2 blocks high

Advance- Ring Stand to Side without rings

Advanced Expert

Advanced- Put Poms and/or Tennis Balls and/or Pickle Ball and/or Botguy into transporter and push transporter into Starting Box

Advanced- Collect blocks, sort by color and Stack Blocks on Black tape line- driving-servos (claw/arm), sensors finding black line

Advanced- take rings off stand and take empty ring stand to starting box- driving, servos/actuators, localization (where is the starting box?)

Advanced- take rings off stand and take empty ring stand to sample isolation

Advanced- put rings onto vertical post in order

Advanced/Expert- put ring onto horizontal post

Expert- put rings onto vertical post out of order

Expert- put rings onto horizontal post out of order

Expert- Collect Poms and/or cubes and put onto both correct surface of Air Lock (both sides sorted)

Expert- Put Botguy onto red airlock side and Pickle Ball onto Green side