



DRONE BASKETBALL

Drone Basketball is designed to enhance students' hand-eye coordination and precision flying skills. In this activity, students will use inflatable gates as baskets. They will take turns utilizing the flip function to call and make complicated shots. Pilots must replicate shots made by other pilots. This exercise focuses on improving students' control and accuracy while operating drones, teaching them the importance of trajectory and timing. By engaging in this fun and challenging game, students will also develop strategic thinking and problem-solving abilities as they adjust their techniques to achieve successful shots.

Activity Type	Competitive
Activity Time	5-10 Mins
Student Groups of	Up to 6
Difficulty	Medium
Supplies	Safety Gear, Drone, Controller, Batteries, Inflatable Cube
Designated Flight Area	Clear area free of obstructions and moving air. Recommend at least 10x10 ft.

PREFLIGHT CHECKLIST

Site Safety Inspection

- ✓ Designate flight area
- ✓ Place signage and ensure area remains clear

Preflight Inspections

- ✓ Inspect drone for any damage
- ✓ Debris or hair in the motors
- ✓ Inspect battery and verify voltage
- ✓ Insert battery until fully seated
- ✓ Connect and verify battery
- ✓ Apply safety gear

STEP #1

Set the cube obstacle up in the center of the flight area.



STEP #2

Then, each pilot should complete the binding procedure one at a time.
The binding procedure can be found here.



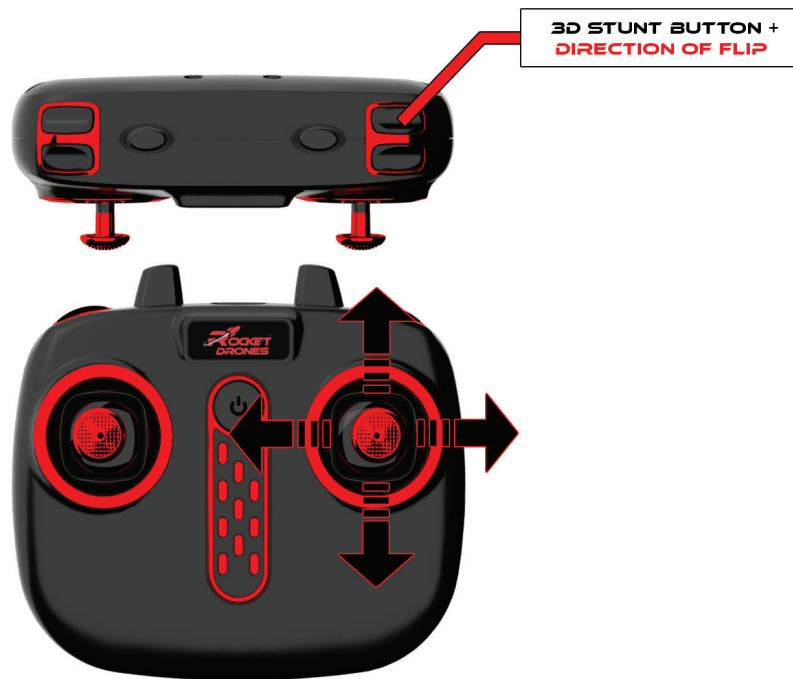
STEP #3

Have each pilot place a ping pong onto their drone and take off.

STEP #4

Pilot use the flip function of the drone by pressing and holding the 3D-stunt button and the direction of the flip to toss the ping pong into the cube obstacle.

After each pilot has attempted their shot, all pilots should land, retrieve their ping pong then reload as a group.



STEP #5

Each pilot will take turns shooting from their desired position. If a pilot makes a shot, the next pilot must make the same shot from the same position. If that pilot misses, they receive a letter and the next pilot must attempt the same shot. Each time a pilot receives a letter, record it on the included student score sheet.

Pro Tip: Increase the difficulty level of your shots by adding additional maneuvers through obstacles or unique challenges in your flight area.

ROCKET DRONES SCORE SHEET

DRONE BASKETBALL

Student's Name	D	R	O	N	E	Out
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