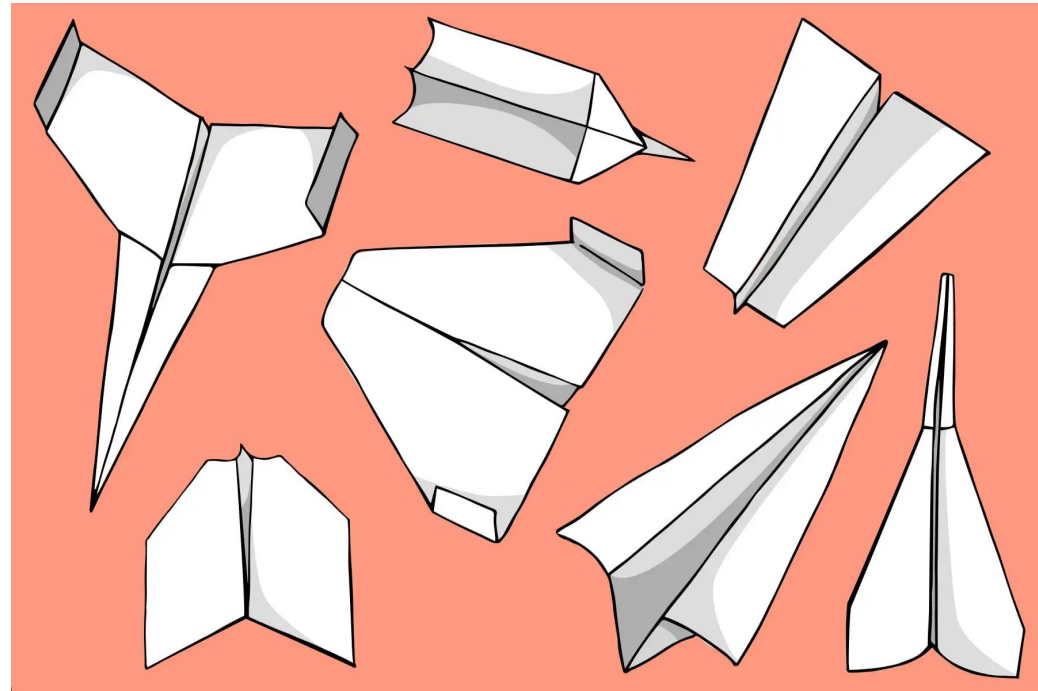


Drones

Duncan Silversides

September 23, 2023
University of Victoria



Rules

- Maximum one 8.5 x 11" piece of paper
- Must have a blue and a red drone
- Team number must be on each drone
- Cannot be launched farther than 18 feet in distance and 5 feet in height.

Read the drone rules on page 46 of Game Manual Part 1

<https://firstinspiresst01.blob.core.windows.net/first-in-show-ftc/game-manual-part-1-traditional.pdf>

Q&As

Q10 Pre - Match Configuration - Drone Storage

4.4.1 specifies pixel storage but says nothing about drone storage. Are there any constraints on the quantity or starting location/configuration of drones in excess of the one pre loaded prior to the start?

Answer

Drive Teams are allowed to bring one (1) *Drone* to the competition *Playing Field* for a *Match*. The *Drone* is either *Pre-Loaded* or placed into their *Alliance's Pixel Storage* area during *pre-Match* set up.

Check the Game Q&As for more details! <https://ftc-qa.firstinspires.org/>

Q&As

Q16 Drone Launching

Answer

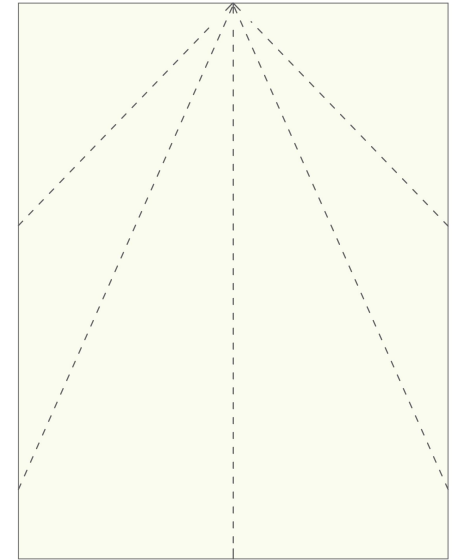
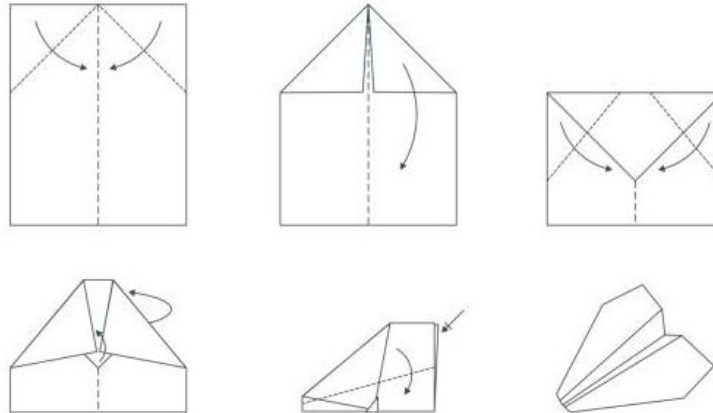
A *Robot* must release the *Drone* (i.e, no *Drone* contact with the *Robot*) before any part of the *Drone* passes over the *Rigging* or top pole of the *Stage Door*. The following text demonstrates how to use the Game Manual to substantiate the answer.

{...} Therefore, a "*Launched*" *Drone* is no longer touching the *Robot*.

Check the Game Q&As for more details! <https://ftc-qa.firstinspires.org/>

Construction Techniques

- Folding
- Lines
- Ruler (scoring)



Make a drone

Test it on the field

