

TIER 0

SIMULATOR



YOU FLY

FPV sim rigs in the IC · Liftoff · Micro Drones · SkyDive · FPV Labs · PicaSim

TO GET HERE

Have a name

Bonus Challenge: do this all in one CP and get to fly!

ON THIS SHEET

6 prerequisites for the Tier 1 checkpoint

2 QUIZ · 2 BENCH · 2 WITNESSED

GO

START

Add your name at the kiosk

TO TIER 1 · PT. 1

WITNESSED

1

Sim Flight

Fly a short checkride in Liftoff: an orbit, a Split-S, three gaps.

REQUIREMENTS

- 1. Stick basics - four channels, rate vs angle, hover, throttle
- 2. A clean orbit around a gate
- 3. A Split-S
- 4. Three gaps without a crash

In person with a mentor, everything in one flight, one attempt per day.

Lessons and videos for each: scan for the Pilot Path

WHY Acro muscle memory where crashes are free.

TO TIER 1 · PT. 4

BENCH

4

Building

Rebuild a disassembled Meteor 75 Pro.

AT THE BENCH · 7 STEPS

Parts check › Motors on › Plug in the motors › Assemble it and put the canopy on › Plug in the canopy › Test › Props

Then a photo, submitted on the website · a mentor passes or fails it

WHY Members can fix what they break.

TO TIER 1 · PT. 6

WITNESSED

6

Line of Sight

No goggles: fly a whoop in angle mode.

REQUIREMENTS

- 1. Take-off to head height
- 2. A 20-second steady hover
- 3. A lap around a tree
- 4. A smooth landing

In person with a mentor, everything in one flight, one attempt per day.

Lessons and videos for each: scan for the Pilot Path

WHY If video cuts out you can still land.

TO TIER 1 · PT. 2

QUIZ

2

Safe Flight

Know and follow the Brophy FPV safe-flight rules.

3 LESSONS, THEN THE QUIZ

- 1. Who's flying, who's watching
- 2. The Brophy FPV rules sheet
- 3. Go / No-Go DRILL

10 questions · 80 % passes · no sign-off needed · retake any time

WHY The baseline code of conduct for real hardware.

TO TIER 1 · PT. 3

QUIZ

3

Battery Care

Charging, storage, puffed packs and disposal.

4 LESSONS, THEN THE QUIZ

- 1. LiPo basics
- 2. Battery math DRILL
- 3. Charging, storage and disposal
- 4. When a pack goes bad

10 questions · 80 % passes · no sign-off needed · retake any time

WHY LiPos are the biggest real fire risk in the hobby.

TO TIER 1 · PT. 5

BENCH

5

Betaflight

Motors, OSD, rates, arm switch, then bind.

AT THE BENCH · 9 STEPS

Props OFF › Connect › Flash the practice config › Receiver › Modes › Motors › OSD › Check my work › Bind last

Practised on the club Meteor 75 Pro at the kiosk, right after Building.

Then a photo, submitted on the website · a mentor passes or fails it

WHY Most "won't fly" problems get solved here.

NEXT

Tier 1 checkpoint

TINY WHOOP · SHEET 2 →

FLIGHT BUILD & TECH KNOWLEDGE & SAFETY CREW & LEADERSHIP

Quiz badges: pass at 80 %, no sign-off · Bench and witnessed badges: a mentor who holds the badge signs it off · demonstration, not attendance



FULL BADGE LIST

SCAN