

VEX AIR CONTROLLER FLIGHT

UNIT 7 LESSON 2 MISSION LOG

Exploration Mission: Hit the Mark (Hook)

Mission Objectives:

- Perform a pre-flight safety check
- Fly to pick up an orbit ball
- Drop the orbit ball in the target zone, as close to the center as possible
- Use the Front and Down Camera views to help align the drone with the orbit ball and target

Mission Prep: Use the Pre-Flight Checklist at the end of this Mission Log to perform a pre-flight safety check. *Do not fly until all items on the checklist have been completed.*

Log your practice flights. *Note tips you learned from each flight in your reflection.*

Flight #	Duration (min/sec)	Drop Off Location	Reflection
			
			
			
			

VEX AIR

PRE-FLIGHT CHECKLIST

Complete this checklist before every flight.

VEX AIR Drone

- ☐ Propellers – Intact and able to freely spin
- ☐ Frame – Intact
- ☐ Module – Installed and free of damage
- ☐ Battery – Fully charged, installed, and free of damage
- ☐ Firmware – Up to date

VEX AIR Drone Controller

- ☐ Lanyard – Attached
- ☐ Battery – Charged
- ☐ Drone and Controller – Paired
- ☐ Max Z-Height – Set
- ☐ Movement and Steering Modes – Set to pilot preference

People and Procedures

- ☐ Pilot and Co-pilot – Fit to Fly
- ☐ Propeller Lock and Emergency Stop procedures – Reviewed
- ☐ Adult supervision – Present
- ☐ Hair/Clothing – Tied back/Secured

Environment

- ☐ Indoor Flight Area – Clear of debris, obstacles, and people
- ☐ Doors – Closed
- ☐ Drone – In takeoff position

Before Takeoff

- ☐ Propeller Lock – Disengaged
- ☐ Pilot/Co-pilot – In pilot station
- ☐ Controller Lanyard – Worn by pilot