

SCAVENGER HUNT



QUICK-START GUIDE: SUGGESTED TARGETS AND MANEUVERS

Name _____

Class _____

OBJECTIVE

Working as a team, use your assigned drone to **safely** complete as many of the following tasks as possible within the allotted time. More challenging tasks are worth more points. The team that accumulates the most points by the end of the activity wins.

SAFETY

To ensure a safe flight, use the PAVE checklist to conduct a thorough preflight review of the risks and mitigation strategies associated with the mission. While all aspects of PAVE are crucial to a safe and successful mission, pay special attention to **enVironmental** factors (e.g., the possibility of wind, weather, or crowd conditions) that may affect the flight. Additionally, use the preflight review to ensure each crew member is fully aware of their role and responsibilities before, during, and after the flight.

PROCEDURE

Photo Targets

Use your drone to safely photograph the following targets around your school.

Target	Point Value
Front door of main school building	1
Statue of school mascot	1
Teacher's desk	1
Blackboard/whiteboard with text (photograph should clearly show the text)	2
Car in the parking lot	2
Food tray in the cafeteria holding at least three objects	2
Aerial view of the top of the flagpole	3
Teacher or staff member waving hello	3
Aerial view of an athletic field (photograph should show the entire field)	3



Maneuvers

Use your drone to safely perform the following maneuvers around your school. To receive credit, one member of your flight crew must use their phone or another device to record the complete maneuver.

Maneuver	Point Value
Fly to each corner of classroom	1
Take off, climb to eye level, then land on the same spot	1
Take off, then fly to and land on teacher's desk	1
Fly to each corner of the classroom with the camera always facing toward the direction of travel	2
Take off, climb to eye level, fly forward 10 feet, turn around, fly back and land on the same spot	2
Take off, climb to eye level, turn drone (yaw) 180 degrees, climb to 8 feet, descend and land on the same spot	2
Fly 360 degrees around the pilot, keeping the camera facing the pilot at all times	3
Take off, fly forward 30 feet, rotate the drone so the camera faces back to the pilot, then land on the same spot you took off from	3
Fly to 100 feet above ground level, tilt the camera straight down, take a photo, then return and land on the same spot	3

Plan of Attack

In the space below (or on a separate sheet of paper), outline your crew's plan of attack for completing the mission.

PROPRIETARY