

2024 OEF Engineering Fair

Official Entry Form: DRONE ZONE Drone Obstacle Course Competition

(PRINT Clearly and Legibly)

Entry Number: _____ *Assigned by competition sponsor at time of event.

Grade: _____ M _____ F _____

School: _____

Teacher of Record: _____

IMPORTANT: The teacher's classroom listed above will be considered the winning classroom should this entry be judged as one of the winners of the event. If the teacher listed above is not the student's teacher, changes **MUST** be made through the Oklahoma Engineering Foundation (OEF), **PRIOR** to the entry being turned over to the judges.

Decision of judges, during all phases of the competition, is FINAL. In the event of a tie, prizes will be equally distributed between winning entries.

Parts List (sources, cost, and fabrication) must accompany each entry.

FOR JUDGE'S USE ONLY:

Judges Initials: _____

Does the obstacle course satisfy creative requirements? YES NO

If the drone has been created, is a Parts List provided? YES NO



FOR JUDGE'S USE ONLY (Cont'd):

What is the creative level of the obstacle course?

(20 pts. max) _____

What is the level of difficulty of the obstacle course? _____

(15 pts. max)

Interview with Judges:

1. What 3 safety mechanisms were instituted?

2. Why did you choose to compete in the Drone Obstacle Course competition?

3. What ideas do you have for UAV's/drones being used to help humans in the future?

(10 pts. max)

Ability of the drone to hover for 5-10 seconds with stability? _____

(5 pts. max)

Demonstration of safely maneuvering drone through the obstacle course:

Over _____

Under _____

Through _____

(5 pts. total)

Ability of team or participant to build their own drone? _____

(20 pts.)

Ability to successfully complete flying drone through obstacle course in 5-minute time frame?

4-5 minutes 5 pts.

3-4 minutes 10 pts.

2-3 minutes 15 pts.

1-2 minutes 20 pts.

TOTAL SCORE _____

(100 points maximum)

