



1 TEAMWORK MISSION

Drones are piloted by students. Two teams fly together on the same competition field to maximize their score in a 90-second match.

COMPLETE FULL ECLIPSE

A full Eclipse is considered completed when a drone has performed the following tasks, in order, during the final 30 seconds of the match:

- Fly through the yellow keyhole gate
- Fly through the green keyhole gate
- Fly over the screen
- Fly under the red arch gate
- Fly over the blue arch gate

AWARD

Teamwork Champions: Awarded to the two team alliance with the highest finals score.

2 PILOTING MISSION

Drone is piloted by students through an obstacle course. Each team competes alone to score as many points as possible in a 60-second match.

3 AUTONOMOUS FLIGHT MISSION

Drone is programmed by students to operate entirely autonomously. Each team competes alone to score as many points as possible in a 60-second match.

AWARD

Skills Champion: Awarded to the team with the highest combined piloting and autonomous flight mission score.

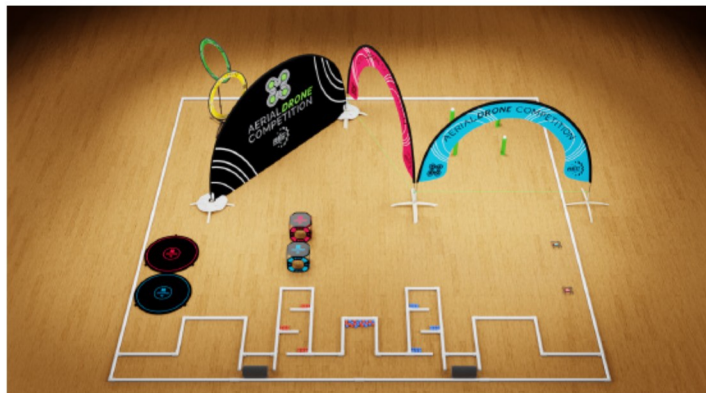
4 COMMUNICATIONS MISSION

Teams interview with judges about their drone, programming, and competition logbook documentation.

EXCELLENCE AWARD

Awarded to the top overall team. Considers skills rankings, qualification rankings, competition logbook, interview, and conduct.

TEAMWORK MISSION



TASK	POINT VALUE
Each cleared chamber	5
Each ball scored in a goal	1
Each ball removed from its pillar	8
Completed full Eclipse	25
Completed partial Eclipse	5
Drone landed on cube	10
Drone landed on landing pad	5
Drone landed in bullseye	15

PILOTING AND AUTONOMOUS FLIGHT MISSION



TASK	POINT VALUE
Take off	10
Under Arch	5
Arch Loop	10
Through Keyhole	10
Keyhole Loop	15
Identify Color Mat	15
Landing	25

HELPFUL RESOURCES



GAME MANUAL



GAME VIDEO