2019 Program for Drones Competition

8:00 am -   Registration begins. Last registration will be taken at 8:25am.

8:30 am -   Competition begins

                 Teams will be briefed on the competition rules and

                  proceedings

8:30 am -   Round 1 will commence – 4 x teams for Rescue Challenge

8:55 am -   Judging of round 1

9:00 am -   Round 2 will commence – 4 teams for Rescue Challenge

9:25 am -   Judging of round 2

9:30 am -   Round 3 will commence – 4 teams for Rescue Challenge

9:55 am -   Judging of round 3

10:00 am -   Round 4 will commence – 4 teams for Rescue Challenge

10:25 am -   Judging of round 4

10:30 am -   Round 5 will commence – 4 teams for Rescue Challenge

10:55am -   Judging of round 5

11:00 am -   Round 6 will commence – 4 teams for Rescue Challenge

11:25am -   Judging of round 6

11:30am -   Round 7 will commence – 4 teams for Rescue Challenge

11:55am -   Judging of round 7

12:30 -   Choreography competition begins. All teams need to be in

                 attendance and ready to showcase their work.

2:45 pm -   Announcement of winners.

Competition Specific Rules

- Teams will consist of no more than 4 members

- Teams will consist of students within selected age groups per category.

- All participants will be required to wear safety glasses.

- Each team will be supervised by an adult.

- The supervising adult and team members will remain in the pilot pit area while programming and testing the drone.

- Team members will be permitted to enter the flight zone when the drone has ceased flying and adult permission has been given.

- Programming is to be the work of students only. Any input from adult supervisors will result in disqualification.

Challenges

<u>Rescue Challenge</u>

- At the commencement of each round teams will be given the instructions to complete the rescue mission.
- At the commencement of the challenge all teams will be given the criteria sheets they will be marked on. These will also be accessed by schools prior to the day.
- Teams will have up to 25 minutes to program and test their drones flight path to be successful in their mission.
- Teams can test their drones as often as necessary during the 25-minute programming time.
- Each team will have 5 minutes to showcase their work. Teams will be expected to fly their drone through the course and also explain programming to the judge.

<u>Choreography</u>

- Teams can select their own piece of music that the drone will be programmed to 'dance' to.
- The piece of music may be between 30 seconds and 1 minute in length.
- Teams need to create their choreography prior to coming to the event.
- The choreography (coding) needs to be the work of the students only – no teacher input.
- Teams are encouraged to decorate their drone and/or use props to support the choreography. They are also encouraged to have their team arrive in support of their choreography eg have a team name, team costume, team props.
- Teams will need to provide their own music on the day.
- For judging teams will have 5 minutes each to demonstrate their drone dance to music and to discuss how they used code to choreograph the drone.
- Teams will need to provide a paper copy that demonstrates the coding of the drone.
- Teams may have up to 2 drones in their choreography.

Venue Operations

- Teams will adhere to the designated pilot pit area at all times.
- Pilots will be permitted to enter the flight zone to retrieve their drone when drones are not operational and the team's adult supervisor has given permission to enter.
- Pilots must adhere to all rules within the competition venue, and will not fly in any other part of the venue.
- Pilots must contain all equipment in the designated pilot pit area.
- A charging area will be provided. It is recommended that teams bring personal chargers and extension cords.
- General charging of electronic devices for the flying of drones will be permitted.
- All spectators will remain in the viewing area and will not enter the pilot pit zone or flight zone.

Judging and Marshaling

- All races will be managed by an appointed judge.
- All races will follow the general rules and regulations of amateur competition, including those of CASA.
- Each race will be monitored by judges to maintain fair and accurate competition.
- Any practice deemed unsafe will result in immediate disqualification.

Pilot Responsibilities

- Pilots are responsible for operating and maintaining their own equipment.
- Pilots are responsible for ensuring proper flight operation.