



# Los Angeles County Regional Science Olympiad Event Description - 2020

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## Aerodynamics

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### **Description:**

Aerodynamics will include the challenge to be prepared to build a paper airplane to one of three design challenges: accuracy, distance, or time aloft.

The event will follow the rules for the standard Aerodynamics event listed in the official Elementary Science Olympiad Competitive Tournament Rules Manual from the National Science Olympiad, with the exception that the challenge objective may be changed from accuracy only, to a choice of accuracy, distance, or time aloft. Students should experiment with different designs and be ready for any of these three challenges.

**Number of Students:** Up to 3

**Materials:** Materials will be provided by the event supervisor as indicated in the standard event rules.

### **Clarifications:**

- The time aloft challenge, if selected, will be held indoors.
- The accuracy challenges, if selected, will be held indoors.
- The distance challenge, if selected, may be held indoors or outdoors. Students should be ready for outdoor conditions if needed.
- If the event is held outdoors, students will be provided with a lap board to use for folding and building.

### **Scoring Clarifications:**

- Scoring for the accuracy challenge will be as listed in the standard event rules.
- Scoring for the distance challenge will be measured from the launch line to the landing spot.
- Scoring for the time aloft challenge will be measured as the time between release and when the plane touches the floor.