

2025 Trial Events Descriptions

Alternate students *may only* compete in the trial events. However, any regular team member can compete in the trial events as long as they count towards their max event limit of 4.

Trial events do not count as part of a team's score, but individual awards are given for trial events.

Trial Event Descriptions

Aerial Scramble - At the tournament, teams will assemble, test, and fly up to two aircraft built on-site without using adhesives from unopened standardized model airplane kits.

Animal Group - This will be a written test. Teams will be given a list of animals, and they will need to provide the correct **group** name.

Botany – This will be a written test. Participants will demonstrate their knowledge of plant life and general botany principles.

Bottle Rockets – At the tournament, teams will build up to two bottle rockets of the size of their choice to stay aloft as long as possible. Teams are allowed to bring pre-built rockets.

Bridge - Prior to the competition, teams will design and build a Bridge meeting requirement specified in these rules to achieve the highest structural efficiency.

Horizontal Balloon Rocket - Given a length of fishing line stretched across the room, teams will design, build and launch an air-powered tram to carry as many provided items the farthest distance possible.

See the following pages for event rules.