

Aerospace

Exhibit Introduction

Each county would be permitted to send one rocket and one poster/display board in each grade category (3-5, 6-8, and 9-12). Thus each county could send a maximum of six exhibits to the state fair, 3 rockets and 3 poster/display boards. No "Ready to Fly" or E2X rockets are acceptable in the 4-H Aerospace project.

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

Rockets may be exhibited with a base, but launch pads are not permitted. All rockets must weigh less than 3.3 pounds and considered an amateur rocket according to FAA regulations.

Requirements

Level: (Grades 3-5)

Last Modified: 10/01/16

Project Completion Recommendations

Complete the activities as indicated in the manual

State Exhibit Requirements

Rocket of your choice, Estes Skills Level 1, 2, or comparable difficulty or a poster, display board on any topic in the manual (i.e., construct a paper airplane with a poster board explaining why you designed it the way you did). Cluster engine rockets and rockets that take an engine D or above are not permitted in this level.

Requirements

Level: (Grades 6-8)

Last Modified: 10/01/16

Project Completion Recommendations

Complete the activities as indicated in the manual

State Exhibit Requirements

Rocket or other aerodynamic object of your choice, Estes Skills Level 2, 3, or comparable difficulty or poster, display board on any topic in the manual (i.e., glider plane (page 18) with poster explaining design). Cluster engine rockets and rockets that take an engine E or above are not permitted in this level.

Requirements

Level: (Grades 9-12)

Last Modified: 10/01/16

Project Completion Recommendations

Complete the activities as indicated in the manual

State Exhibit Requirements

Rocket of your choice, Estes Skills Level 3 or above, a Box kite or other aerodynamic object of your choice which illustrates principles of flight or poster, display board on any topic in the manual (i.e., box kite (page 20) with poster explanation). Rockets that take an engine G or above are not permitted.