

**Oregon 4-H Youth County/State Fair
Aerospace- Rocketry Project Evaluation Sheet**

Name:		County:			
Class Number: 851 010		Project Stage: (circle one) 2 3 4			
(circle one) Junior Intermediate Senior		Years in this project area:			
Age:		Place:			
Check only those items that apply	Mastery Level	Accomplished Level	Developing Level	Beginning Level	Comments
For all Rocketry Project Displays (50%)					
Rocketry Engineering Journal is included with display.					
Display is easy to read, grammar, punctuation, and spelling are correct.					
The Rocket is constructed with attention to neatness and craftsmanship. Body tube smooth, free of dents/nicks; fins aligned; decals straight.					
Display includes required rocket parts correctly labeled.					
The function of the rocket parts is correctly labeled on the display.					
Items required to launch the rocket and their function are listed correctly on the display.					
Rocketry Build Report Section of Rocketry Engineering Journal (25%)					
Cost of kit and components and number of hours required for construction included.					
Rocket kit manufacture's construction and use information included.					
The engine size(s) listed are appropriate for the displayed rocket and member's level of experience. See reference below (1).					
Launch site size dimensions are listed for each engine size provided.					
Information in reference (2) below included as appropriate to Stage of exhibit.					
Launch & Flight Report (25%) Optional in the Rocket Engineering Journal for Stage2. Required for Stages 3 & 4 exhibits					
Information in reference (3) below included as appropriate to Stage of exhibit.					
Stage 4 exhibits required: Explanation and evidence of custom fin design, testing and redesign and re-testing.					
(1) Rocket engines. Stage 2- Gnome 1/2A3-2T:first flight; 1/2A3-4T, A3-4T, A10-3T. Wizard 1/2A6-2 or A8-3: first flight; A8-5. Mosquito 1/4A3-2T:first flight; 1/2A3-2T, A3-4T, A10-3T. Stage 3- Monarch B6-4: first flight; C6-5. Alpha 1/2A6-2 or A8-3: First flight; A8-5. Alpha III 1/2A6-2 or A8-3: first flight; B4-4, B6-4. Stage 4- Viking 1/2A6-2 or A8-3: first flight; A8-5. other models at skill level 1 with customizable fins design are allowed.					
(2) Information that must be included in Rocketry Build Report: Skill level; stock kit info; power: single-stage, multi-stage, cluster; the fuselage: single tube; glider: rear engine, front engine or canard; engine information; engine code, label color, type of recovery system.					
(3) Information that must be included in Rocketry Launch Report: Number of times successfully launched; kind of launch pad used; tracking method used; observer's distance from the rocket; angle achieved and altitude achieved; any special problems before, during, or after launching; what was done to overcome problems. Include the specific location of each launch and how you determined it meet the minimum launch site size for the engine used.					

Comments on reverse