

Kansas 4-H Rocketry Judging Score Sheet

Exhibitor: _____ Class: 5520 5521 5525 5526 5527 5530 5535
 5537 5538 5539 5540 5536
 1=Excellent 2=Good 3=Fair 4 = Shows Promise 5 = Needs Improvement NA= Not Applicable

General Exhibit Requirements:

Appropriate skill level for age	1	2	3	4	5	NA
No engines or igniters [§ C.13-16]	1					DQ
Display stand less than 8" X 8" X 4 1/4" or stands unassisted [§ C.5; E.2; H/MPR9]	1	2	3	4	5	NA
Sturdy support rod not extending past the tip of the nose cone [§ C.5.b; E.2; E.3]	1	2	3	4	5	NA
No pre-finished fins, <i>exception for JRs in county class ##20b</i> [§ D.2-3]	1				5	NA
No Safety Violations Noted [§ C.6; C.18; A.6; E.4]	1	2	3	4	5	DQ

Report:

Exhibitor information form completed and signed [§ C.2]	1	2	3	4	5	NA
Includes Photo(s) (can have up to 5 pages) [§ C.4]	1	2	3	4	5	NA
Includes Plans [§ C.3]	1				5	NA
Written documentation of flight/accidental damage (if any) [§ C.9-11]	1	2	3	4	5	NA
Documented structural modifications, if any (excludes paint/decals) [§ C.3.c]	1	2	3	4	5	NA
Altitude measurement described (computer program, altimeter, etc.) [§ C.8]	1	2	3	4	5	NA
Rocket has been flown (staged rockets only need last stage flown) [§ C.5a; C.17]	1				5	NA
Burn ban in effect (no launch required) [§ A.6]	1				5	NA

Construction:

Fins attached within +/- 2° variation [§ D.3]	1	2	3	4	5	NA
Wooden parts sanded smooth [§ D.5]	1	2	3	4	5	NA
Fin edges rounded or streamlined per instructions to reduce drag [§ D.4] (If instructions say to leave flat = NA) (<i><u>Rounding all edges is not required</u></i>)	1	2	3	4	5	NA
Launch lug(s) aligned properly and glued firmly [§ D.6]	1	2	3	4	5	NA
Fins and Launch Lug(s) filleted for strength [§ D.6]	1	2	3	4	5	NA
Nose cone snug but not too tight [§ D.10]	1	2	3	4	5	NA
Plastic part(s) seams sanded smooth [§ D.8]	1	2	3	4	5	NA
Body grooves filled [§ D.5]	1	2	3	4	5	NA
Shock cord and recovery system attached [§ C.7]	1	2	3	4	5	DQ
Engine Mounts [§ D.7]	1	2	3	4	5	NA

Finishing Quality:

Wooden and paper parts sealed prior to painting [§ D.5]	1	2	3	4	5	NA
Paint smooth and uniform (no runs, orange peel, or crackling) [§ D.11-13]	1	2	3	4	5	NA
Decals, if used, are applied smoothly [§ D.11]	1	2	3	4	5	NA
If scale model division , correct paint scheme, 70% of decals, and finished according to plans (otherwise NA) See §B.1 for definition [§ B.1; D.13-15]	1	2	3	4	5	NA

Scratch Built / Original Design: [§ F]

Design is original, not merely a modification of an existing kit [§ F.1]	1	2	3	4	5	DQ
Written description of preflight stability testing [§ F.5]	1	2	3	4	5	DQ
Rocket swing tested prior to flight & flight(s) indicate stable design [§ F.5; C.3]	1	2	3	4	5	-2R
Includes detailed instructions [§ F.3-4]	1	2	3	4	5	DQ

High/Mid Power (2 'D' engines or above): [§ B.3; B.4; HPRG; MPRG]

High & Mid Power Information Form completed [§H/MPRG.3]	1	2	3	4	5	DQ
Older than 14 years of age [§H/MPRG.1]	1	2	3	4	5	DQ
Has NAR or Tripoli membership (and working on or holds Level 1 cert or TMP if applicable). [§H/MPRG.4]	1	2	3	4	5	DQ
Includes copy of FAA waiver or RSO contact info if applicable [§H/MPRG.7&8]	1	2	3	4	5	DQ
MPR Flown with 2x'D's to 'G' engine [§ MPGR.7]						
HPR Flown on with a 'H' or 'I' engine [§ HPGR.7]	1	2	3	4	5	DQ

Placing: Purple Blue Red White Disqualified

This document supersedes and replaces all previous revisions of this form. The § symbol refers to the section in the KSF Rocketry Rules for the score sheet item. HPGR/MPGR (H/MPRG) refers to the High and Mid Power Rocketry Guidelines sections of the KSF Rocketry Rules, respectively. **Example:** [§ C.13-16] refers to section C subsection 13 through 16 in the KSF Rocketry Rules.



Kansas State University Agricultural Experiment Station and Cooperative Extension Service

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