

## Revised 2019 Kansas 4-H Model Rocket Judging Score Sheet

Exhibitor: \_\_\_\_\_ Class: 5520 5521 5525 5526 5527 5530 5535  
 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.7; E.2; H/MPR9]	1	2	3	4	5	NA
Sturdy support rod not extending past the tip of the nose cone [§ C.7.b; E.2; E.3]	1	2	3	4	5	NA
No pre-finished fins [§ D.2-3]	1				5	NA
No Safety Violations Noted [§ C.8; C.18; A.8; E.4]	1	2	3	4	5	DQ

### Report:

Exhibitor information form completed and signed [§ C.4]	1	2	3	4	5	NA
Includes Photo(s) (can have up to 5 pages) [§ C.6]	1	2	3	4	5	NA
Includes Plans [§ C.5]	1				5	NA
Written documentation of flight damage (if any) [§ C.11]	1	2	3	4	5	NA
Documented modifications (if any) [§ D.17]	1	2	3	4	5	NA
Altitude measurement described (computer program, altimeter, etc.) [§ C.10]	1	2	3	4	5	NA
Rocket has been flown (staged rockets need only fly the upper stage) [§ C.17]	1				5	NA
Burn ban in effect [§ A.8]	1				5	NA

### Construction:

Fins attached within +/- 2° variation [§ D.4]	1	2	3	4	5	NA
Wooden parts sanded smooth [§ D.6]	1	2	3	4	5	NA
Fin edges rounded or streamlined per instructions to reduce drag [§ D.5] (If instructions say to leave flat = NA) ( <i>Rounding <u>all</u> edges is <u>not</u> required</i> )	1	2	3	4	5	NA
Launch lug(s) aligned properly and glued firmly [§ D.7]	1	2	3	4	5	NA
Fins and Launch Lug(s) filleted for strength [§ D.7]	1	2	3	4	5	NA
Nose cone snug but not too tight [§ D.11]	1	2	3	4	5	NA
Plastic part(s) seams sanded smooth [§ D.9]	1	2	3	4	5	NA
Body grooves filled [§ D.6]	1	2	3	4	5	NA
Shock cord and recovery system attached [§ C.9]	1	2	3	4	5	DQ
Engine Mounts [§ D.8]	1	2	3	4	5	NA

### Finishing Quality:

Wooden and paper parts sealed prior to painting [§ D.6]	1	2	3	4	5	NA
Paint smooth and uniform [§ D.12]	1	2	3	4	5	NA
Decals applied smoothly [§ D.12]	1	2	3	4	5	NA
If scale model, correct paint scheme and finished to plans (otherwise NA) See NAR Pink Book for definition [§ D.14-16]	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.6]	1	2	3	4	5	DQ
Rocket swing tested prior to flight & flight(s) indicate stable design [§ F.5; D.17]	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 waiver if applicable [§H/MPRG.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
No Safety Violations Noted [§ C.18]	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