Revised 2022 Kansas 4-H Model Rocket Judging Score Sheet

<table>
<thead>
<tr>
<th>Exhibitor: ____________________  Class: ____________________________</th>
<th>1=Excellent 2=Good 3=Fair 4=Shows Promise 5=Needs Improvement</th>
<th>Not Applicable</th>
</tr>
</thead>
</table>

### General Exhibit Requirements:
- Appropriate skill level for age
- No engines or igniters (§ C.13-16)
- Display stand less than 8” X 8” X 4 ½” or stands unassisted (§ C.7; E.2; H/MPR9)
- Sturdy support rod not extending past the tip of the nose cone (§ C.7.b; E.2; E.3)
- No pre-finished fins (§ D.2-3)
- No Safety Violations Noted (§ C.8; C.18; A.8; E.4)

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

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

### Finishing Quality:
- Wooden and paper parts sealed prior to painting (§ D.6)
- Paint smooth and uniform (§ D.12)
- Decals applied smoothly (§ D.12)
- If scale model division, correct paint scheme and finished to plans (otherwise NA) See NAR Pink Book for definition (§ D.14-16)

### Scratch Built / Original Design: [§ F]
- Design is original, not merely a modification of an existing kit (§ F.1)
- Written description of preflight stability testing (§ F.6)
- Rocket swing tested prior to flight & flight(s) indicate stable design (§ F.5; D.17)
- Includes detailed instructions (§ F.3-4)

### High/Mid Power (2 ‘D’ engines or above): [§ B.3; B.4; HPRG; MPRG]
- High & Mid Power Information Form completed (§ H/MPRG.3)
- Older than 14 years of age (§ H/MPR.G1)
- Has NAR or Tripoli membership (and working on or holds Level 1 cert or TMP if applicable), (§ H/MPRG.4)
- Includes copy of waiver if applicable (§ H/MPRG.8)
- MPR Flown with 2x ‘D’ s to ‘G’ engine (§ MPGR.7)
- HPR Flown on with a ‘H’ or ‘I’ engine (§ HPGR.7)
- No Safety Violations Noted (§ C.18)

### Placing:
- Purple: 1st place
- Blue: 2nd place
- Red: 3rd place
- White: 4th place
- Disqualified: DQ

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.