Revised 2018 Kansas 4-H Model Rocket Judging Score Sheet

Exhibitor: __________________________  Class: __________________________

<table>
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<tr>
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<th>4</th>
<th>5</th>
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<tbody>
<tr>
<td>5520</td>
<td>5521</td>
<td>5525</td>
<td>5526</td>
<td>5527</td>
<td>5530</td>
</tr>
<tr>
<td>1 = Excellent</td>
<td>2 = Good</td>
<td>3 = Fair</td>
<td>4 = Shows Promise</td>
<td>5 = Needs Improvement</td>
<td>NA = Not Applicable</td>
</tr>
</tbody>
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**General Exhibit Requirements:**

- Appropriate skill level for age
  - No engines or igniters §C.13-16
  - Display stand less than 8” X 8” X 4 ¼” or stands unassisted §C.7; E.2; HPRG 8
  - Sturdy support rod not extending past the tip of the nose cone §C.7.b; E.2
  - No pre-finished fins §D.2-3
  - No Safety Violations Noted §C.8; C.18

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**Report:**

- Exhibitor information form completed and signed
  - Includes Photo(s) (can have up to 5 pages) §C.6
  - Includes Plans §C.5
  - Written documented of flight damage (if any) §C.11
  - Documented modifications (if any) §D.16
  - 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.7

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**Construction:**

- Fins attached within +/- 2° variation §D.4
  - Wooden parts sanded smooth §D.6
  - Fin edges rounded or streamlined to reduce drag §D.5
    - (If instructions say to leave flat = NA)
  - 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.10
  - Plastic part(s) seams sanded smooth §D.8
  - Body grooves filled §D.6
  - Shock cord and recovery system attached §C.9

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**Finishing Quality:**

- Wooden and paper parts sealed prior to painting §D.6
  - Paint smooth and uniform §D.11
  - Decals applied smoothly §D.11
  - If scale model, correct paint scheme and finished to plans (otherwise NA) See NAR Pink Book for definition §D.13-15

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**Scratch Built: §F**

- Design is original, not merely a modification of an existing kit §F.1
  - Written description of preflight stability testing with swing test §F.5
  - Flight records indicate stable design §F.5

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**High Power (2 ‘D’ engines or above): §B.3; HPRG**

- High Power Information Form completed §HPRG 3
  - Older than 14 years of age §HPRG 1
  - Has NAR membership (and working on or holds Level 1 cert if applicable). §HPRG 6
  - Includes copy of waiver if applicable §HPRG 7
  - Flown on an ‘I’ engine or less §B.6
  - No Safety Violations Noted §C.18

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**Placing:**

- Purple
  - Blue
  - Red
  - White
  - Disqualified

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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.

HPRG refers to the High Power Rocketry Guidelines section of the KSF Rocketry Rules

Example: §C.13-16 refers to section C subsection 13 through 16 in the KSF Rocketry Rules