# 4-H Model Rocket Judging Score Sheet

Exhibitor’s Name: ______________________________________________________________

Class: 3100 3101 3102 3103 3104 3105 3106
            3107 3108 3109 3110 3111 3112

1=Excellent  2=Good  3=Fair  4=Shows Promise  5=Needs Improvement  NA=Not Applicable

## General Exhibit Requirements:
- **Appropriate skill level for age**
  - 1
- **No engines or igniters**
  - 1
- **Display stand less than 8” X 8” X 4½” or stands unassisted**
  - 1
- **Sturdy support rod not extending past the tip of the nose cone**
  - 1
- **No pre-finished fins**
  - 1
- **No safety violations noted**
  - 1

## Report:
- **Exhibitor information form completed and signed**
  - 1
- **Includes photos (can have up to 5 pages)**
  - 1
- **Includes plans**
  - 1
- **Written documentation of flight damage (if any)**
  - 1
- **Documented modifications (if any)**
  - 1
- **Altitude measurement described (computer program, altimeter, etc.)**
  - 1
- **Rocket has been flown (staged rockets need only fly the upper stage)**
  - 1
- **Burn ban in effect**
  - 1

## Construction:
- **Fins attached within +/- 2 degree variation**
  - 1
- **Wooden parts sanded smooth**
  - 1
- **Fin edges rounded or streamlined to reduce drag**
  - 1
- **Launch lug(s) aligned properly and glued firmly**
  - 1
- **Fins and launch lug(s) filleted for strength**
  - 1
- **Nose cone snug but not too tight**
  - 1
- **Plastic part(s) seams sanded smooth**
  - 1
- **Body grooves filled**
  - 1
- **Shock cord and recovery system attached**
  - 1
- **Engine mounts**
  - 1

## Finishing Quality:
- **Wooden and paper parts sealed prior to painting**
  - 1
- **Paint smooth and uniform**
  - 1
- **Decals applied smoothly**
  - 1
- **If scale model, correct paint scheme and finished to plans**
  - 1

## Scratch Built/Original Design:
- **Design is original, not merely a modification of an existing kit**
  - 1
- **Written description of preflight stability testing**
  - 1
- **Rocket swing tested prior to flight & flight(s) indicate stable design**
  - 1
- **Includes detailed instructions**
  - 1

## High/Mid Power (2 ‘D’ engines or above):
- **High & Mid Power Information Form completed**
  - 1
- **Older than 14 years of age**
  - 1
- **Has NAR or Tripoli membership (and working on or holds Level 1 certification or TMP if applicable)**
  - 1
- **Includes copy of waiver if applicable**
  - 1

## Safety
- **No safety violations noted**
  - 1

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Ribbon: Purple  Blue  Red  White  Disqualify