4-H Model Rocket Judging Score Sheet

Exhibitor's Name: _____

Class: 3100 3101 3102 3104 3105 3106 3107 3108

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	1					DQ
Display stand less than 8" X 8" X 4½" or stands unassisted	1	2	3	4	5	NA
Sturdy support rod not extending past the tip of the nose cone	1	2	3	4	5	NA
No pre-finished fins	1				5	NA
No safety violations noted	1	2	3	4	5	DQ
Report:						
Exhibitor information form completed and signed	1	2	3	4	5	NA
Includes photos (can have up to 5 pages)	1	2	3	4	5	NA
Includes plans	1				5	NA
Written documentation of flight damage (if any)	1	2	3	4	5	NA
Documented modifications (if any)	1	2	3	4	5	NA
Altitude measurement described (computer program, altimeter, etc.)	1	2	3	4	5	NA
Rocket has been flown (staged rockets need only fly the upper stage)	1				5	NA
Burn ban in effect	1				5	NA
Construction:						
Fins attached within +/- 2 degree variation	1	2	3	4	5	NA
Wooden parts sanded smooth	1	2	3	4	5	NA
Fin edges rounded or streamlined to reduce drag (If instructions say to leave flat = NA) (Rounding all edges is not required)	1	2	3	4	5	NA
Launch lug(s) aligned properly and glued firmly	1	2	3	4	5	NA
Fins and launch lug(s) filleted for strength	1	2	3	4	5	NA
Nose cone snug but not too tight	1	2	3	4	5	NA
Plastic part(s) seams sanded smooth	1	2	3	4	5	NA
Body grooves filled	1	2	3	4	5	NA
Shock cord and recovery system attached	1	2	3	4	5	NA
Engine mounts	1	2	3	4	5	NA
Finishing Quality:						
Wooden and paper parts sealed prior to painting	1	2	3	4	5	NA
Paint smooth and uniform	1	2	3	4	5	NA
Decals applied smoothly	1	2	3	4	5	NA
If scale model, correct paint scheme and finished to plans (otherwise NA)	1	2	3	4	5	NA
Scratch Built/Original Design:						
Design is original, not merely a modification of an existing kit	1	2	3	4	5	DQ
Written description of preflight stability testing	1	2	3	4	5	DQ
Rocket swing tested prior to flight & flight(s) indicate stable design	1	2	3	4	5	DQ
Includes detailed instructions	1	2	3	4	5	DQ
High/Mid Power (2 'D' engines or above):						
High & Mid Power Information Form completed	1	2	3	4	5	DQ
Older than 14 years of age	1	2	3	4	5	DQ
Has NAR or Tripoli membership (and working on or holds Level 1 certification or TMP if applicable)	1	2	3	4	5	DQ
Includes copy of waiver if applicable	1	2	3	4	5	NA
Mid Power flown with 2x 'D' to 'G' engine High Power flown with a 'H' or 'I' engine	1	2	3	4	5	DQ
No safety violations noted	1	2	3	4	5	DQ

Ribbon: Purple Blue Red White Disqualify