

4-H Model Rocket Judging Score Sheet

Exhibitor's Name: _____

Class: 3160 3161 3162 3163 3164 3165 3166
 3167 3168 3169 3170 3171 3172

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