



## 4-H Ag Mechanics Score Sheet

Name \_\_\_\_\_ 4-H Age \_\_\_\_\_

Extension Unit \_\_\_\_\_

Class: 55 \_\_\_\_\_ Type: Welding Brazing Smithing  
 Level: 1 2 3

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
Includes information pack (Except for display boards) [§ 20/21]	1				5	NA
Includes a bill of materials [§ 22.a]	1	2	3	4	5	NA
Includes pictures (1 to 5 pages) of photos [§22.b]	1	2	3	4	5	NA
If appropriate, includes schematics or drawings [§ 22.c]	1	2	3	4	5	NA
If appropriate, includes operating instructions [§ 22.d.]	1	2	3	4	5	NA
Exhibitors name/number in a prominent location on the display [§ 19]	1				5	NA
Wheeled exhibits have a breaking mechanism [§ 3]	1	2	3	4	5	NA
Trailer exhibits have sufficient breaking or chocks (one pair on each side, pairs should be connected) [§ 4]	1	2	3	4	5	NA
Trailers have a locking mechanism to prevent theft while on display [§ 5]	1	2	3	4	5	NA
Tailgates/downward swinging components that could fall on someone are pinned or tied to prevent falling [§ 5]	1	2	3	4	5	NA
Exhibit is free standing or supported and is moveable [§ 7, 8, & 9]	1	2	3	4	5	NA
No wet paint (spot painting) [§ 10]	1				1 RP	NA
Cutting surfaces have a protective covering over them [§ 12]	1	2	3	4	5	NA
Display cases are easily opened to allow judging [§ 12]	1	2	3	4	5	NA
No weapons, <i>see rule for definition</i> [§ 14]	1				DQ	NA
Powered exhibits free of fuel/have primary disconnect switch [§ 16&17]	1	2	3	4	5	NA

**Welding and Braising:**

Bonds (welding, braising, etc.) are of sufficient strength for intended use	1	2	3	4	5	NA
Bonds are clean and free of excess flux, wire, slag, splatter, etc.	1	2	3	4	5	NA
Bonds are consistent/even	1	2	3	4	5	NA
Cracks are not evident in/through bond	1	2	3	4	5	NA
“Blow through” is not evident	1	2	3	4	5	NA
Welded plastic is not a 3D printed exhibit	1	2	3	4	5	NA

<b>Smithing:</b>						
Exhibit contains minimum number of elements for the class	1	2	3	4	5	NA
Formed elements are consistent for the duration of the element	1	2	3	4	5	NA
	1	2	3	4	5	NA
	1	2	3	4	5	NA
	1	2	3	4	5	NA

Ribbon Placing:      Purple                  Blue                  Red                  White                  Disqualified

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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