

Revised 2026 Kansas 4-H Ag Mechanics Welding Judging Score Sheet

Exhibitor: _____ 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) [§ 18/19]	1				5	NA
Includes a bill of materials [§ 19.a]	1	2	3	4	5	NA
Includes pictures 1 to 5 pages of photos [§19.b]	1	2	3	4	5	NA
If appropriate, includes schematics or drawings [§ 19.c]	1	2	3	4	5	NA
If appropriate, includes operating instructions [§ 19.d.]	1	2	3	4	5	NA
Exhibitors name/number on the display [§ 17]	1				5	NA
Wheeled exhibits have a breaking mechanism [§ 1]	1	2	3	4	5	NA
Trailered exhibits have sufficient breaking or chocks (one pair on each side, pairs should be connected) [§ 2]	1	2	3	4	5	NA
Trailers have a locking mechanism to prevent theft while on display [§ 3]	1	2	3	4	5	NA
Tailgates/downward swinging components that could fall on someone are pinned or tied to prevent falling [§ 4]	1	2	3	4	5	NA
The exhibit is free standing or supported and is moveable [§ 5,6,10]	1	2	3	4	5	NA
No sealed vessels, chambers have adequate venting [§ 7]	1	2	3	4	5	NA
Tanks are free of residue (eg sprayer tanks) [§ 8]	1	2	3	4	5	NA
Appropriate personal protective equipment (PPE) worn [§ 9]	1	2	3	4	5	NA
No wet paint (spot painting) [§ 11]	1				1 RP	NA
Cutting surfaces have a protective covering over them [§ 13]	1	2	3	4	5	NA
Display cases are easily opened to allow judging [§ 14]	1	2	3	4	5	NA
No weapons, <i>see rule for definition</i> [§ 15]	1				DQ	NA
Powered exhibits free of fuel/have primary disconnect switch [§ 17&18]	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

Smithing:

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

Other Metal Work (fabrication, cutting, milling, machining, etc.):

Parts are cleanly cut, no burs or nicks	1	2	3	4	5	NA
Parts fit together well and are in tolerance	1	2	3	4	5	NA
Bends are even and consistent	1	2	3	4	5	NA
	1	2	3	4	5	NA

Comments (add comments to reverse side):

Placing: Purple Blue Red White Disqualified



This document supersedes and replaces all previous revisions of this form. The § symbol refers to the section in the KSF Ag Mechanics Rules for the score sheet item.

Example: [§ 6] refers to rule 6 of the Ag Mechanics rules

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