

Revised 2025 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 [§ 5-7] | 1 | 2 | 3 | 4 | 5 | NA |
| No wet paint (spot painting) [§ 8] | 1 | | | | 1 RP | NA |
| Cutting surfaces have a protective covering over them [§ 10] | 1 | 2 | 3 | 4 | 5 | NA |
| Display cases are easily opened to allow judging [§ 11] | 1 | 2 | 3 | 4 | 5 | NA |
| No weapons, <i>see rule for definition</i> [§ 12] | 1 | | | | DQ | NA |
| Powered exhibits free of fuel/have primary disconnect switch [§ 14&15] | 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 |
| | 1 | 2 | 3 | 4 | 5 | NA |
| | 1 | 2 | 3 | 4 | 5 | NA |
| | 1 | 2 | 3 | 4 | 5 | NA |

Comments (add additional 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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