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| Overview | |
| Category Definition | |
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| Project Presentation | |
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| Project guidelines | |
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| Entry Card attachment | |
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| Judging Guidelines | |
| **Finish**  Workmanship should be judged at a high industry standard | |
| **Measurements**  At least three measurements should be taken at random from project and compared to student notebook drawings. | |
| **Student Notebook**  Must include step-by-step procedures, working drawing, bill of materials, safety procedures and photos of project while being built | |
| **Degree of Difficulty**  Should be considered when judging project and points awarded | |
| **Welds**  No structural welds are to be ground without penalty. Grinding is to be limited to welds that should be ground for functional reasons and/or welds that would normally be ground for cosmetic purposes. Examples: top rails on trailers, fender body outside tops, side latches, etc. may be ground, but frames, cross-members, tongues, filler pipe, etc. are not to be ground. | |
| **Judging Points** | |
| Finish | 0-30 points |
| Measurements | 0-10 points |
| Student Notebook | 0-40 points |
| Degree of Difficulty | 0-10 points |
| Welds | 0-10 points |

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|  | | **Ind.** | **Team** | **Mass** |
| 1 | 2 | 3 |
| **METALS - 2000** | | | | |
| **Metal Project entries** | | | | |
| Household items up to 100 lbs. | 2100 |  |  |  |
| Household items 101 lbs. and up | 2151 |  |  |  |
| Sculpture - Art | 2200 |  |  |  |
| Shop projects | 2251 |  |  |  |
| Livestock projects | 2300 |  |  |  |
| Utility Trailers - small single axle 14' or less | 2351 |  |  |  |
| Bumper Pull Trailers - any tandem axle trailer | 2400 |  |  |  |
| Gooseneck Trailers - any type of flat bed or livestock trailer | 2451 |  |  |  |
| BBQ Grills - Freestanding | 2500 |  |  |  |
| BBQ Grills - Trailer | 2551 |  |  |  |
| General | 2600 |  |  |  |
| Jewelry | 2651 |  |  |  |
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| **Metal Projects Chairman will have final decision on category of projects** | | | | |