

# SAN ANTONIO JAM JUDGES EVALUATION SUMMARY

Yellow Copy to Student

Class	Item	Entry Number
Criteria	Please write <b>Explanation</b> or <b>Critique</b> in blank areas	
<p><b>Workmanship</b>  <b>Note:</b> Trailer Check Sheet will give information on lighting, measurements, and safety equipment</p>	<p>30</p>	<p><b>True &amp; Square</b></p> <p><b>Weld Quality</b> cold welds, over welding, lack of penetration, wagon tracks, under cutting, overlap, distortion control, poor bead profile</p> <p><b>Metal Cutting &amp; Drilling</b> (Part of fabrication) Sharp edges, poor fit up, rough torch cuts, poor pin hole or fit</p> <p><b>Grinding</b> Excessive weld grinding, sharp corners, others</p> <p><b>Paint Prep &amp; Finish</b> Slag and buckshot removal, weld cleaning, clean paint surface, primer coat, smooth even paint, finish appropriate for project, primer coat, smooth even paint, Bondo use</p>
<p><b>Design</b>  <b>Note:</b> Trailers should include axle location and capacity information. Side ramps or doors on trailer need strength consideration.</p>	<p>20</p>	<p>Dimensions consistent with drawing, over or under sized materials, proper fasteners, ASABE standards met, safety, knowledge of why materials were used, practicality and functionality of construction, operation convenience, how was design conceived.</p>
<p><b>Documentation</b>  <b>Note:</b> Undercarriage Capacity (Axle Capacity) should be in Documentation MSDS/PI section</p>	<p>20</p>	<p><b>Drawing</b> To scale, dimensioned, complete enough to build from</p> <p><b>BOM</b></p> <p><b>Photographs</b> Shows work in progress, labeled, shows safety, 24 max</p> <p><b>Research</b> ASABE standards, DOT info, PI and MSDS sheets, and trailer components</p>
<p><b>Presentation</b></p>	<p>20</p>	<p>Knowledge of manufacturing <u>process</u> and <u>materials</u>, student's speaking ability, answers to "Why?" questions, knowledge of design of project, student's appearance</p>
<p><b>Difficulty</b></p>	<p>10</p>	<p>Size, scope, complexity, use of several skills and processes, intricate and more difficult to build, use of a kit involved in construction discouraged, added details, extra moving parts</p>