

# METAL WORKING DISPLAY

## GENERAL CONTEST RULES:

The contest is for entries that may be designed, produced, or constructed by an individual or team of 2-3 students as an outgrowth of career related interests. The entire project may be constructed of any material related to the area of metal working. It must be the original work of the students. Displays may include but not limited to Weather Vanes, Golf Ball Tees, Sprinkler Heads, Lawn Fertilizer Sprayer or a Weight Bench.

## PURPOSE:

- To demonstrate competency skills in the areas of metal working (welding, sheet metal, metal forming, machining).
- To develop an appreciation for positive competition.
- To relate technology/career instructions to a chosen career path.

## ELIGIBILITY:

Open to an individual student or one team of 2-3 active SkillsUSA members per chapter.

## SUBMISSION:

The individual or team will submit project onsite at the SkillsUSA Georgia State Leadership and Skills Conference per the conference program. A preliminary judging round will be held and a maximum of 7 projects will be selected to move on to the final judging. The final individuals or teams will also be interviewed by a panel of judges.

All contestants will take the PDP test and submit a resume.

## CLOTHING REQUIREMENTS:

For Men:

Official red blazer or jacket, black dress slacks, white dress shirt, plain black tie with no pattern or SkillsUSA black tie, black socks, and black shoes OR Professional/business dress.

For Women:

Official red blazer or jacket, black dress slacks or skirt, with businesslike white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, black sheer or skin-tone hose, and black shoes OR Professional/business dress.

## AWARDS:

Gold, Silver and Bronze medals will be awarded for 1st, 2nd, and 3rd place. The winner of this contest does not advance to the National SkillsUSA Leadership and Skills Conference.

## CONTEST GUIDELINES

1. The individual or team must adhere to the following format:
  - a. Complete a notebook, display board and project in which shows the progressive steps of the procedure.
2. Each individual or team will be interviewed about their project.
3. The notebook should be no more than 10 pages. A notebook that exceeds 10 pages (excluding Table of Contents and Title Page) will receive a point deduction.

4. Display board must show career opportunity and progressive progress.
  - a. Left side of display board – career opportunities
  - b. Right side of display board – training requirements
  - c. Center of display board – project information
5. Career objectives of contestants should be stressed in the oral interview.
6. Slides, tapes and other multimedia may not be used to present the project.
7. The individual or team is responsible for set-up of the project prior to competition and for removal of project at the conclusion of the contest.

All contestants will take the PDP test and this score will be used in the event of a tie.  
 All contestants must submit a resume.

**EVALUATION CRITERIA:**

1. BACKBOARD – 10%
  - a. Three adjoining sides and freestanding
  - b. Middle section will contain the vocational area name and potential job sites, employers, etc.
  - c. Left section will contain typed information, pictures, pamphlets, or creative drawings that describe the educational skill preparation necessary for job entry.
  - d. Right section will contain pictures and typewritten interview between contestant and potential employer.
  - e. Size will not exceed 4'L x 4'W x 4'H.
2. NOTEBOOK – 15%
  - a. Skills learned
  - b. Description of project
  - c. Planning process
  - d. Procedure and documentation (to include cost analysis, documentation of hours spent on preparation, goals and objective).
  - e. Drawing (if applicable).
  - f. Evaluation of project
    - 1) Current usage/future trends
    - 2) Projects strongest points
    - 3) Difficulties encountered (why and how to avoid next time)
    - 4) Knowledge gained
  - g. No front and back page set-up (one side only).
  - h. 10 page maximum length excluding title page and table of contents.
3. PROJECT – 50%
  - a. Provided space for display of project will be 4'L x 4'W x 4'H.
  - b. Commercial kits will not be allowed (result in disqualification).
  - c. No on-site demonstrations.
  - d. Project must be the work of the individual entry or team members.
4. ORAL INTERVIEW – 25%
  - a. Knowledge & Accuracy of Project.
  - b. Presentation Skills (eye contact, voice quality)

- c. Employability Skills, career aspirations.
- d. Personal Appearance

SUGGESTED QUESTIONS FOR THE JUDGES:

1. Why did you choose to select this project?
2. What were the major steps you used to complete the project?
3. Where was the project assembled?
4. How long did it take from beginning to completion?
1. What material did you use?
2. How much did the materials costs?
3. If you had the opportunity to construct this project again, what changes would you make? Why?
4. How does this project relate to your career path?
5. Are there jobs related to your project in the area where you reside (live)?
6. How will this career path contribute to achieving success in life?

## METAL WORKING DISPLAY

Items Evaluated	Possible Points																			
<b>Notebook</b>																				
Learned Skills	2																			
Project Description	2																			
Planning Process	2																			
Procedures & Documentation	2																			
Blueprint or Project Design	2																			
Evaluation of Project	2																			
Notebook Set-Up (10 page limit, neat, creative, typed)	3																			
<b>Backboard</b>																				
Set-Up	5																			
Sections	5																			
<b>Project: Size Requirement Maximum 4'L x 4'W x 4'H</b>																				
<i>Construction &amp; Workmanship</i>																				
All bends sharp & straight	10																			
All edges properly prepared	10																			
Metal to metal fits (all seams sharp & straight)	5																			
Project measure & shop drawing match	5																			
<i>Quality of Welds/Seams</i>																				
Width & height uniformity (free of voids & high spots)	5																			
Smooth with even & close ripples	5																			
Good fusion with no overlap & no undercut	5																			
Continuous bead/seams appearance & restarts difficult to locate	5																			
<b>Oral Interview</b>																				
Knowledge & Accuracy of Project	10																			
Presentation Skills (eye contact, voice quality)	5																			
Employability Skills, Career Aspirations	5																			
Personal Appearance	5																			
<b>Subtotal Points</b>	<b>100</b>																			
<b>Point Deduction</b>																				
Dress Code Violation	-25																			
No Resume Penalty	-25																			
Exceeds page limit for notebook	-5																			
Exceeds size requirement	-25																			
<b>Total Points</b>																				