

## **New Jersey SkillsUSA Championships**

### **NJ State Only Contest**

#### ORNAMENTAL IRON DESIGN

This event is a "NJ only" state sponsored contest.  
-There is no national level competition in this area.

#### Purpose:

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the art of ornamental iron design and fabrication.

#### Clothing Requirement (Interview):

SkillsUSA official attire or Professional Dress

#### Eligibility:

Open to active SkillsUSA members enrolled in programs with welding as the occupational objective.

#### Observer Rule:

Observers will not be present during the actual judging. Displays may be viewed on the day of the SkillsUSA Championships.

#### Scope of the Contest:

- Ornamental iron projects will demonstrate the contestant's ability to use at least 3 processes; 1. SMAW, 2. GTAW, 3. GMAW, 4. Oxy-fuel cutting, 5. Plasma Arc cutting.
- The project should be displayed in its raw finished state. No painting or coatings will be permitted.
- Maximum size of the display will be 4ft. wide by 4ft deep by 7ft high. All parts must remain inside these dimensions. Five points will be deducted for each 1/8th inch over the prescribed size for any dimension.
- One student in official SkillsUSA attire shall be prepared to participate in a presentation/interview component in which the student will describe the project. The presenter/interviewee will be prepared to explain the types of welding and forming equipment and techniques used to fabricate the project (roller, scroll bender brake etc.).
- Note: all forming equipment must be hand operated. The presentation/interview will be three to seven minutes in length.
- No outside power sources may be part of the project.
- The presenter/interviewee must bring a 1inch official SkillsUSA three-ring binder. The notebook should contain a title page, table of contents, written description of the project with pictures, design sketches and drawings and a brief description of the project.
- Verification: A letter, signed by the local school administrator certifying that the project was constructed by the students. The notebook must be limited to 10 pages (20 surfaces). The notebook should be brought to the display by the presenter/interviewee, used to support the presentation of the project to the judges, and left at the project following the interview for further review by the judges.
- Immediately following the interviews, a debriefing will be conducted by the judges to inform the contestants about the quality of the project and the interviews.
- On the day when the public is invited to visit the projects, every effort should be made by the contestant to present their projects to interested visitors while assuring the safety of their projects.

ORNAMENTAL IRON DESIGN  
Scoresheet

Contestant# \_\_\_\_\_ Project \_\_\_\_\_

Presentation

Verbal Techniques & Poise	75
Introduction & Closing	75
Self Confidence	75

Questions

What was the inspiration for this particular project?	
What materials did you use?	
What part was the hardest- and easiest?	
What, if anything, would you have done differently?	
Question & Answer Total	50

Notebook

Verification Letter	50
Title Page	50
Table of Contents	50
Drawings, sketches, photos	100
Other Documents (20 page limit)	75
Description of project	
Processes used	

Sculpture

Workmanship	200
Degree of difficulty	
All welds (at least 3)	
Clean	
Design	200
Creativity	
Appeal	
Functionality	

Deductions

Did not adhere to guidelines	-50
Clothing Penalty	-50
Time (3-7 Min)	-25 for every 30 Sec. over/under
Size 4' X 4' X 7'	-5 for every 1/8 inch over