**NYS SkillsUSA Welding Sculpture Virtual Project**

**Scope of the Contest**
To evaluate each contestant’s preparation for employment and to recognize outstanding students for excellence and professionalism in the field of welding or metal trades.

**Knowledge Performance**
The contest will include a **Resume, Digital Notebook, Video presentation**, and **Zoom interview**. The video demonstration should follow the same outline as the Notebook. *See Technical Standards for specific requirements*

See SkillsUSA Virtual Technical Standards for competencies measured.

**Contest Information** (All items must be received by due date)
- **PDF Resume**
  - To be included in the notebook. No separate resume needed.

**Digital Notebook**
- Follow the Technical Standards Guideline for requirements of the notebook. *Note, contestants will submit a digital version rather than a physical notebook. Link to be announce April 1st

**Video of Demonstrated Procedures**
- Contestant will video present their Welding Sculpture making sure to include the process to create the sculpture, the inspiration, materials used, and workmanship/techniques.
  *Ensure lighting, audio and video are high quality*

**Scoring Information**
The following pre-submission items will be judged by industry professionals prior to virtual in-person Zoom session
- 1. Resume
- 2. Notebook
- 3. Sculpture
- 4. Welding Sculpture presentation

**Zoom Interview**
If the questions and answer interview is required you will receive a specified date/time by April 1st. To participate in a virtual interview will be via Zoom with industry professionals. You should be dressed in your SkillsUSA attire for this session.

Contestant number must be visible at all times.
**NYS WELDING SCULPTURE (VIRTUAL)**

**PURPOSE**
To evaluate each contestant’s preparation for employment and to recognize outstanding students for excellence and professionalism in the field of welding or metal trades.

**ELIGIBILITY**
Open to active SkillsUSA members enrolled in career and technical programs with welding or metal trades as the occupational objective.

**CLOTHING REQUIREMENTS**

**NYS Official attire for men:** Official red blazer, NYS Black Jacket, the older red national windbreaker or older red sweater and the Black Carhartt Jacket from Nationals. Black dress slacks; white dress shirt; plain black tie with no pattern or a SkillsUSA black tie. Black socks and black shoes.

**NYS Official attire for women:** Official red blazer, NYS Black Jacket, the older red national windbreaker or older red sweater and the Black Carhartt Jacket from Nationals. Black dress slacks or skirt with businesslike white, collarless blouse or white blouse with small, plain collar that may not extend on to the lapels of the blazer; black sheer or skin-tone hose and black shoes, that are not backless or open toe.

**Contest Clothing Notes (Apply ONLY to Virtual Competitions):**
- Official SkillsUSA Competition Clothing
- No identification of the contestant, school or state is allowed on clothing.

- No offensive, vulgar or inappropriate images or text are allowed on contestants clothing.
- Skirts must be at least knee-length.
- Proper Personal Protective Equipment (PPE) must be worn by contestant to meet all state, local and school requirements due to COVID-19.
- Scoring deductions may only be given and/or disqualification of contestant if clothing safety standards are not met.

**EQUIPMENT AND MATERIALS**

Supplied by the contestant:
1. Computer with high-speed internet capability and camera to use applications such as Zoom, Teams, etc. The minimum recommended internet bandwidth speeds for joining Zoom meetings, accessing on-demand curriculum and other online operations is 2.0 Mbps up and down. You can test your current internet speeds by following this link: [https://www.speedtest.net/](https://www.speedtest.net/). Allow the page to load and click on GO.

2. A secondary camera(s) may be required to provide judges with the ability to view contestants from different angles. Additional camera requirements will be located on the NYS SkillsUSA website.

3. A contest Proctor will be required to be on site to assist judges. A local industry expert is preferred to serve as the Proctor and shall not be an individual that has been involved with the training of the contestant(s). The Proctor will serve as the onsite “hands and eyes” for the judges. Proctor will follow instructions from the judges for safety and operations related to the competition. Proctor may be asked by judges to perform several tasks such as operating a portable camera to show specific components or steps, measure parts, or any task that will provide judges with information needed to assist in accurate scoring of the contestant’s work or
presentation. However, the Proctor shall not serve as a judge nor have any influence on contestant scores.

4. The contestant’s instructor or advisor shall be on site to observe all competition activities to ensure a safe and healthy competition experience for all participants. That instructor or advisor will not be allowed to interact or interfere with the competitor unless a safety issue arises that requires interaction. Any other support or interaction between the contestant and the instructor/advisor will result in disqualification.

5. All competitors must create a one-page résumé and submit an electronic copy to the technical committee chair. Link will be given by April 1, 2021.

6. Student-designed and -produced sculpture

7. Notebook to serve as professional portfolio (see description below)

8. All necessary information for the judges and technical committee

9. One 4-foot table

**Scope of the Contest**
The contest consists of three parts:

1. Evaluation of the sculpture
2. Notebook
3. Interview (All contestants will be asked the same questions, determined by the judges, before the start of the contest.)

**Knowledge Performance**
The contest will include a Resume, Digital Notebook, Video presentation, and Zoom interview. The video demonstration should follow the same outline as the Notebook. *See Technical Standards for specific requirements*

**Skill Performance**
The contest is designed to assess the ability of the competitor to design and produce a sculpture of that design, as well as answer questions in a brief interview related to all aspects of his or her creation of the design.

**Contest Guidelines**

*Note:* No modifications may be made to sculptures after regional/state contests, except polishing and clear coat.

**Sculpture Design and Workmanship**

1. Materials used must be ferrous or nonferrous metals. The sculpture must be an original and creative work of the student.

2. Sculptures shall be welded, brazed, or soldered, depending on the material used. No mechanical fasteners or adhesives are permitted.

3. Projects are to be left unpainted, including primers and other coatings. (Exception: sculptures may be clear coated.) Naturally achieved patinas shall be limited to air, water or heat, or any combination thereof. (No chemically enhanced finishes are permitted.)

4. All copyright laws must be followed in the creation of the design.

5. The sculpture must be one continual piece, not multiple pieces unconnected. Movement is allowed but not required. Moving parts are permitted provided they do not affect the size parameters or integrity of the piece, or create a safety hazard.

6. The sculpture cannot exceed the maximum size of 18” tall x 12” wide x 18” long and cannot exceed a weight of 100 lbs. At orientation, students will place a box with said dimensions over their sculpture so that judges may verify the sculpture meets the size requirement. Sculptures will also be weighed. (A severe point penalty will be taken for oversize or overweight sculptures.)

7. No additional appurtenances can be used (mirrors, stands, etc.). The sculpture shall stand alone. No presentation pieces are permitted.

**Notebook**

1. A digital notebook must be made. sculpture
   It must contain pictures and supporting evidence (i.e., receipts). It must include a brief description
of the project and processes used to develop the sculpture.

2. The first page of the notebook must be a tabbed table of contents. The notebook must include a letter certifying that the sculpture was designed and constructed by the student. The letter must contain an itemized list of all expenses. The letter must identify the school, city, state and local advisor. The letter must identify the student to be interviewed, division (high school or college/postsecondary), and the letter must be signed by the school administrator.

3. Any welds that are hidden or ground must be documented through photographs with captions in the notebook.

4. A written statement from a school administrator must be submitted to the technical committee stating that the sculpture is the same one used throughout the SkillsUSA at regional and state competitions.

Interview
The student will participate in a three- to five-minute interview. Questions from the judges will be related (but not limited) to sculpture, creation, inspiration, materials, processes and workmanship.

Items Evaluated Possible Points

Sculpture (450 points)
A. Metal Working (Fitting and Techniques) 100
B. Welding (100 points total)
  • Fit-up 25
  • Function of welds 25
  • Amount of welds 25
  • Quality of welds 25
C. Cutting (50 points total)
  • Function of cuts 25
  • Quality of cuts 25

Note: No extra credit or deductions for CNC cutting

D. Design/Creativity (200 points total)
  • Level of difficulty 50
  • Creative use material/process 50
  • Creativity 50
  • Original Design 50

Notebook (2”–3” tabbed binder) (300 points total)

Note: Does not need to be SkillsUSA binder

A. Tabbed table of contents 25
  Note: Must be first page
B. Verification letter (125 points total)
  Note: All information must be included in one letter.
  1. School letterhead: letter signed by school administrator 25
  2. Verification: student constructed sculpture 25
  3. Itemized list of expenses with receipts 25
  4. ID school, city, state, advisor 25
  5. List of approximate time in each process
  Note: actual receipts, photocopies of receipts, invoice or proof of donated materials required for expenses.
C. Photographs with captions (minimum 10) 50
  Note 1: Photos must include student, who must be identifiable working on his or her sculpture throughout various stages of construction; captions must depict the process demonstrated
  Note 2: If welds are ground or removed, photo documentation of original welds must be provided
D. Photographs: regional and state contests 25
  (Student with sculpture, medal/certificate and state director to verify same sculpture used for all contests)
E. Drawings (50 points total)
  1. Concept drawing(s) 25
  2. Drawings — approximate dimensions 25
F. Supporting documents 50
  (Examples: additional photos of process, design, cutting, welding, forming; explanation of creative use of process, etc.)
**Interview [200 points total]**

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
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<tbody>
<tr>
<td>A. Greeting and Closing</td>
<td>20</td>
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<tr>
<td>B. Eye Contact</td>
<td>10</td>
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<tr>
<td>C. Knowledge of Project</td>
<td>50</td>
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<td>D. Complete Answers</td>
<td>20</td>
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<td>E. Level of Detail</td>
<td>25</td>
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<td>F. Professionalism</td>
<td>50</td>
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<td>G. Employability</td>
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**Written Test [50 points total]**

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**Penalties**

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<tr>
<th>Category</th>
<th>Points</th>
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<tbody>
<tr>
<td>A. Workmanship: exceeds size limits</td>
<td>-100</td>
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<td>B. Workmanship: exceeds 100 lbs.</td>
<td>-100</td>
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<tr>
<td>C. Workmanship: paint/finish</td>
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<tr>
<td>D. Workmanship: copyright infraction</td>
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<tr>
<td>E. Résumé Penalty</td>
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<tr>
<td>F. Clothing Penalty</td>
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**Total Possible Points**

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<td>1,000</td>
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