



Oregon SkillsUSA Championships

Competitive Events Handbook

Oregon Only Contests

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General Information

- This handbook was written for the administration of the SkillsUSA Oregon-Only Events.
- All contests will be of a performance nature. A written test may be given in any area over theory, terminology, safety practices or general principles related to the contest occupational area and will be given during either the contest briefing or during the contest for that skill competitive event. **Written tests, if given, will count as part of the score.** Also, paper and pencil problem solving tests related to occupational contest areas and/or oral questions related to the profession may be included.
- A completed Resume must be turned in at the beginning of each contest by every contestant.
- Leadership and Skill Championships awards will be presented to the top three contestants in each contest at both the secondary and post-secondary level except as noted in (c.) below.
 - a. Place-ties will NOT be permitted.
 - b. In addition to first, second and third place awards, ribbons will be given to the fourth, fifth and sixth place winners.
 - c. The judges are not obligated to award first, second and/or third place winners if, in their opinion, the performances are below acceptable standards.

Instructions to Contest Judges

- Judges should be completely familiar with the SkillsUSA Oregon Regulations including general rules, instructions to chairpersons and procedures for contestants, as well as the specific contest rules they are asked to judge.
- Contest chairpersons should not serve as judges.
- Careful attention must be given to each rule and each contestant or entry must be judged exactly in the same manner and under the same conditions as every other contestant or entry.
- The judges will use the rating sheets provided in the SkillsUSA Oregon Competitive Events Handbook and the current SkillsUSA Championships Technical Standards and note the point values assigned to each phase of the contest.
- The judges will be present throughout the entire competition.
- **Important - The judges will know contestants by number only!** Judges will not know a contestant's name or school.
- Judges will not attend the pre-contest orientation meeting held prior to the contest. Only the technical committee chairperson may instruct the contestants and verify attendance.

- Judges have been selected because of their recognized expertise in the specific area they have been asked to judge and are asked to follow the official SkillsUSA rules without inserting personal opinion. Criteria such as length of hair, length and style of dress, style of shoe, etc., unless specifically covered in the contest rules, are not to be considered.
- In no instance are the judges or contest chairperson authorized to change the contest rules. If an interpretation is required, contact the SkillsUSA Oregon State Conference Staff.
- The contest chairperson will be the official judge for the official clothing requirements and will assess penalty points. A contestant is either in official contest dress or not and takes the full penalty if not.
- Judges are to evaluate all items related to safety. Contestants not meeting the requirements of safety clothing and devices may be disqualified, if in the opinion of the judges the safety of the contestant or those around him is endangered.
- Judges should rate contestants on the basis of entry-level job skills.
- Judges should rate each contestant independent of other judges and not compare rating sheets.
- Judges should rate participants against a standard of performance rather than automatically awarding first, second, and third place awards. In other words, it is not necessary to select a third place or a second place or a first place, if the judges feel the standard of performance was not high enough.
- After the judging is completed, the judges should total their own rating sheets and return them to the SkillsUSA Contest Chairperson.
- The SkillsUSA Contest Chairperson will validate the judges' rating sheets, compile total scores, and determine the 1st, 2nd, 3rd place finalists in both the secondary and post-secondary divisions.
- The SkillsUSA Contest Chairperson will bring the results to the Conference Headquarters immediately following the tabulations and determinations of the winners.
- All judges rating sheets, notes and other related information must be returned to the contest chairperson following the judging.
- The judges and technical committee members will keep all results confidential until the general announcement of winners is made at the awards ceremony. Under no circumstances may the judges discuss contest results with contestants or chapter advisors.
- Judges must refer all contest inquiries to the State SkillsUSA office.
- A completed Resume should be turned in by each contestant at the beginning of the contest.

Procedures for Contestants

- Contestants must be totally familiar with General Oregon Rules and Regulations and with the procedures specific to the competitive event they are entering.
- Contestants will be assigned a number and be known to the judges by their assigned number only.
- Contestants will assemble at the contest site at the time announced by the Technical Committee Chairperson for last minute instructions. They will have the tools and materials required by their specific contest and the update sent to chapter advisors.
- Participants who do not bring the required tools and materials, as specified in the individual contest regulations, may be assessed a two percent penalty of the total possible contest points for each item missing. Such penalty will be assessed by the contest chairperson. The contest chairperson may, at his or her discretion, furnish the required item(s).
- Contestants will be given instructions by the Technical Committee Chairperson explaining the tasks to be performed
- Contestants will proceed with their assignments as explained.
- Contestants may leave their respective contest only upon approval of the Technical Committee Chairperson.
- Contestants will be judged at the end of each assignment.
- During the contest, participants must work independently, without assistance from judges, teachers, fellow students, or observers. Contestants may be disqualified for receiving such assistance.

Clothing Requirements

LEADERSHIP EVENTS - Participants entering individual and team leadership competition are required to wear dress appropriately for the contest. The official SkillsUSA uniform is always encouraged.

Official SkillsUSA Dress

For Women:

Red SkillsUSA blazer or windbreaker, white collar-less or small-collared blouse or white turtleneck, collar not to extend over the blazer lapel or the sweater or windbreaker, black dress skirt, seamless hose, black dress shoes, (informal occasions) black dress slacks.

For Men:

Red SkillsUSA blazer or windbreaker, white dress shirt, straight black (four-in-hand style) tie, black dress slacks, black socks, black or cordovan dress shoes.

SKILL EVENTS - Participants entering skill events are required to wear clean, appropriate clothing. The requirements for work shoes and protective safety gear vary from one contest to another. These requirements are listed on the following pages.

- **Commercial Baking:** White shirt, blouse or chef coat, apron, white pants, hair net or chef hat.
- ***Welding:** Contestants must wear protective welder's clothing (same for all arc welding contests) including gloves, long sleeved jacket, high-topped work shoes, safety glasses and welders helmet.
- ***Welding (oxy-acetylene):** Appropriate welder's protective clothing and equipment, including gloves and high-topped work shoes, welder's goggles and safety glasses.

***NOTE: Definition of work shoes:** *All contestants must wear leather work shoes or boots. These shoes or boots must be of a stiff leather type as found in Wellington's. No student will be allowed to compete in tennis shoes, soft leather running shoes or soft leather casual shoes. For the safety of all students competing in the shop area, this rule will be strictly enforced.*

If there are not specific dress or safety requirements listed here for a particular skill contest (example: Architectural and Technical Drafting), it may be assumed that only the clean, appropriate clothing rule applies. However, official SkillsUSA dress is appropriate for these contests and contestants are encouraged to wear it if possible.

Penalty: Contestants will be penalized ten percent of the possible points for not complying with the clothing requirements as described in the Oregon Competitive Events Handbook. Such penalties will be assessed by the contest coordinator rather than by the judges.

Required Tools and Materials

Some contests require that contestants furnish some tools and/or materials. A list of tools, supplies and/or any equipment or other items which students are required to bring will be sent to all SkillsUSA advisors via a SkillsUSA Skills Championship Update Bulletin each year. The contest chairperson may furnish (at their option) missing items; **however, a two point penalty per missing item may be assessed.**

All such tools or materials should be marked with the name of the individual and school to which they belong, as in the past some items have been left at the contest site with no way of returning them to the owners.

Written Tests

Short objective written tests covering theoretical knowledge, terminology and safety practices related to the technical contest area may be given to contestants in each skill contest. Contestants are encouraged to review before the written tests and to try to do their very best on them. Test scores will count as part of the whole score.

The completed SkillsUSA Knowledge test must be turned in at the beginning of each contest by each contestant.

General Rules and Regulations for Contestants

These SkillsUSA Oregon Leadership and Skills Championships Rules and Regulations are written for the contestant(s). Each contestant who is not familiar with these rules risks being disqualified. Every advisor should be thoroughly familiar with these rules and regulations. Contestants should read them very carefully and if there are any that are not understood or if there are questions, they should consult with their advisor. Each rule in this publication helps to make your state SkillsUSA competition a fair, safe, and educational experience.

- Final interpretation of all contest rules will be made by the SkillsUSA Oregon Conference Staff. Decisions of the judges related to the scoring and points will be final.
- **Grievance Procedure**-Should any students feel that an unfair situation, which might have changed the results, occurred during the contest, he/she should contact his/her chapter advisor and clearly explain the situation. Should the student and advisor desire official action at this point, they should obtain an **Oregon Skill Championship Grievance Report** from one of the SkillsUSA staff members at headquarters, fill it out, sign it, and turn it in by the appropriate deadline.
- **NOTE:** Any and all questions concerning the rules and regulations stated above should be directed to the SkillsUSA Oregon Board of Advisors. Their decision will be final. A committee of 3 SkillsUSA Oregon Board of Advisors members will act upon any infractions of the rules and regulations by chapter or representative.
- **Contestants waiting to compete must NOT discuss the contest with others once the contest has started for any contestant. Waiting contestants may be penalized or disqualified if they accept assistance from advisors or observers.**

Observer Rules:

- a. A roped or marked area shall be designated. No observers, including SkillsUSA advisors, will be allowed in the roped or marked off contest area.
- b. Observers shall not talk or gesture to contestants.
- c. **Contestants waiting to compete must NOT discuss the contest with others once the contest has started for any contestant. Waiting contestants may be penalized or disqualified if they accept assistance from advisors or observers.**
- d. Observers are not allowed in contestant holding room, waiting areas or to observe certain contests (ex: welding, diesel).
- e. Observers must not distract competitors during the competitions. They should enter or leave a demonstration contest area at the end of the presentation or sequence. Additional limitations on observers may be posted to protect contestants from unnecessary distractions.

SkillsUSA Oregon **Oregon Only Safety Participation**

Purpose

To promote the knowledge and use of safety practices of trade and industrial students and to provide the students an opportunity to demonstrate safety principles and skills in a competitive situation.

Clothing Requirements

Clean, safe appropriate dress is required. Official SkillsUSA dress is encouraged.

Procedures

1. An objective, written test over standard shop and industrial principles and practices will be given to all contestants.
2. A practical test, which will include contestants identifying safety hazards on a tour through several industrial shop areas, may also be administered.
3. Scores on written and practical tests will be combined to obtain a composite score. Scores of all contestants will be ranked in order to determine first, second and third place winners.

Rules

1. Contest is open to any SkillsUSA member registered for the conference.
2. All materials and facilities will be provided by the contest chairperson.
3. The contest shall consist of a written and practical examination over various aspects of shop and industrial safety.
4. Time limit - Contestants will have a maximum of 30 minutes for the written exam and 30 minutes for the practical exam.
5. Judges will be present to observe the entire proceedings.

Required Contest Personnel

1. Contest chairperson
2. Six judges
3. Student guides

SkillsUSA Oregon **Oregon Only Welding Contests**

(Oxyacetylene welding, brazing, cutting)

Purpose

To evaluate each contestant's skill preparation in the oxyacetylene welding area.

Clothing Requirements

Protective welders clothing including gloves, long sleeved jacket, high topped work shoes, safety glasses, and welder's goggles.

Equipment and Materials

1. Supplied by technical committee

- a. oxyacetylene welding station for each contestant
- b. welding tips
- c. wire wheel buffer
- d. all welding supplies, materials
- e. envelopes for judges ratings

2. Supplied by contestant

- a. approved safety glasses, approved safety clothing
- b. appropriate shop clothing, work boots all leather types (no tennis shoes)

Scope Of The Contest

1. Contestants will be expected to show skills in welding mild steel 16 gauge and cutting mild steel ranging from 1/8 inch to 1 inch, and using rods 1/16 to 3/16 welding and 1/16 to 1/8 brazing rods.
2. Contestants will demonstrate their ability to perform jobs or skills selected from the following list of competencies as determined by the technical committee.
 - a. Welding positions
 1. flat
 2. vertical
 3. horizontal
 - b. AWS symbols
 - c. Joint Design
 1. butt
 2. corner
 3. t-joint
 4. lap
 5. edge
 - d. Safety and shop procedures

Judging Criteria

Contestants will be judged on the competencies based on the following rating and evaluation system: Safety, setup, visual observation of weld, visual inspection of completed weld, weld time, clothing requirements, written test.

Observers will not be allowed in this contest area!!

(Shielded Metal Arc - Stick Electrode)

Purpose

To evaluate each contestant's preparation for employment in welding in the area of stick electrode welding procedures, and recognize outstanding students for excellence and professionalism in the field.

Clothing Requirements

Protective welders clothing including gloves, long sleeved jackets, high topped work shoes, safety glasses, and welders helmet.

Equipment and Materials

1. Supplied by technical committee

- a. all necessary welding equipment
- b. all materials
- c. instruction and job sheets

2. Supplied by contestant

- a. welders helmet (flip up lenses do not meet OSHA requirements for safety glasses)
- b. welders protective clothing
- c. chipping hammer and wire brush
- d. work boots-all leather (no tennis shoes)
- e. safety glasses

Scope of Contest

1. Contestants will be tested on material of a low carbon content and shall conform to the P1 classification of ASME section 1X Code and will use either E 6010, E 6011, E6013, E 7018, E 7014, or E 7024 electrodes.

2. Contestants will be evaluated from the following list of competencies determined by the technical committee:

- a. Joint design
 1. butt
 2. corner
 3. t-joint
 4. lap
 5. edge
- b. Welding positions
 1. flat
 2. horizontal
 3. vertical

- 4. overhead
- c. Welding procedures/electrodes selection
- d. Safety
- e. Standards

JUDGING CRITERIA

Contestants will be evaluated and judged according to AWS welding inspector's booklet 1969 and utilize available test equipment.

Observers will not be allowed in this contest area!!

Gas Metal Arc Welding (MIG)

Purpose

To evaluate each contestant's skill preparation in the Gas Metal Arc Welding (MIG) area.

Clothing Requirements

Protective welders clothing including gloves, long sleeved jacket, high topped work shoes, safety glasses and welders helmet.

Equipment and Materials

1. Supplied by technical committee

- a. all necessary welding equipment.
- b. all materials.
- c. instruction and job sheet.

2. Supplied by contestant

- a. welders helmet (flip up lenses do not meet OSHA requirements for safety glasses.)
- b. welders protective clothing-work boots (all leather), no tennis shoes.
- c. chipping hammer, wire brush, tongs or pliers.
- e. safety glasses

Scope of Contest

- 1. Students will be tested on mild carbon steel with a low carbon content and will use hard wire with 75% argon/25% CO2 shielding gas.
- 2. Contestants will be evaluated from the following list of competencies determined by the technical committee:
 - a. Joint design
 - 1. Butt
 - 2. Corner
 - 3. T-joint
 - 4. Lap
 - 5. Edge
 - b. Welding positions

1. Flat
2. Horizontal
3. Vertical
4. Overhead
- c. Welding procedures
- d. Safety
- e. Standards

Judging Criteria

Contestants will be judged on the competencies based on one or more of the following rating and evaluation criteria:

Safety, weld time, setup, clothing requirement, visual inspection of completed weld.

Observers will not be allowed in this contest area!!

Gas Tungsten Arc Welding (TIG)

Purpose

To evaluate each contestant's preparation for employment in welding in the area of Gas Tungsten Arc Welding (TIG) procedures and recognize outstanding students for excellence and professionalism in the field.

Clothing Requirements

Protective welder's clothing including gloves, long-sleeved jacket, high-topped work shoes, safety glasses and welders helmet.

Equipment and Materials

1. Supplied by technical committee

- a. all necessary welding equipment.
- b. all materials.
- c. instructions and job sheet.

2. Supplied by contestant

- a. welder's helmet (flip-up lenses do not meet OSHA requirements for safety glasses).
- b. welders protective clothing—all leather boots.
- c. chipping hammer, wire brush, tongs or pliers.
- e. safety glasses

SCOPE OF CONTEST

1. Contestants will be tested on 5000 series aluminum, the aluminum-magnesium-manganese alloys, using 3/32" diameter tungsten electrode, 3/32" filler metal and argon shielding gas.
2. Contestants will be evaluated from the following list of competencies determined by the technical committee.
 - a. Joint design
 1. Butt
 2. Corner

- 3. T-joint
- 4. Lap
- 5. Edge
- b. Welding Positions
 - 1. Flat
 - 2. Horizontal
 - 3. Vertical
- c. Welding Procedures
- d. Safety
- e. Standards

JUDGING CRITERIA

Contestants will be judged on the competencies based on one or more of the following rating and evaluation criteria:

Safety, visual inspection of completed weld, setup, weld time, clothing requirements, visual observation of the weld, written test.

Observers will not be allowed in this contest area!!

SkillsUSA Oregon

Oregon Only Novice CAD

(First year CAD students only)

Purpose

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of computer drafting.

Clothing Requirements

SkillsUSA Blazer or windbreaker and accompanying official dress or business casual dress.

Eligibility

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

Each year **Plotting** always seems to be an issue. In order to simplify the plotting process, all drafting contestants will be required to submit their drawings in a **PDF Format**.

- Be sure you have downloaded and installed an appropriate PDF Writer for your system.
- **CutePDF Writer** is a free download and is compatible with all software used in previous year's contests. www.cutepdf.com
- Make sure your students know how to use the **PDF Format**. Students need to bring their own "thumb drive" for file transfer.

Contestants are required to bring their own computer, extension cord/surge protectors. Students may use any software.

Supplies:

- Pen, pencil & notepad.
- Students may bring a reference manual (textbook)

Novice CAD (Students with 1 school-year or less)

- Novice CAD will plot on an A-Size sheet (8.5x11).
- Have students prepare an A-Size border as specified in the PDF attachment.

**SkillsUSA Oregon
Oregon Only Cake Decorating
MIDDLE SCHOOL
ALLOWED TO PARTICIPATE**

Purpose

To evaluate each contestant's skill in cake decorating and ability to following the directions for a commercial cake order.

Clothing Requirements

Same as requirements for Commercial Baking contest. Refer to current SkillsUSA Championships Technical Standards.

Equipment and Materials

Contestants are required to bring their own cake decorating tips, tubes, colors, mixing bowls, spatulas, cardboard cake round, and turn table if desired - All needed equipment to decorate 1 cake. Contestants should also bring **two** 9 inch round white/yellow cake.

Only the frosting supplied should be used. Color can be added but additional decorations brought from home/school cannot be added.

Scope of the Contest

Contestants will be given a customer's order and are to meet the customers desires.

Example: Decorate a multilayer Birthday Cake for a 10 year old boy named Keith using a leaf tip and 3 flower tips, make a border, and write 3 words.

Judging Criteria

Contestants will be judged on:

Safety

Sanitation

Color attractiveness

Neatness

Following directions

Overall appearance of finished cake