

Rules for New Illinois (Only) Contests & Illinois Contest Variations from National Contest Rules

- There are no new Illinois (only) contests this year. All current rules for Illinois (only) contests are found in the 2009 Edition of the Illinois SkillsUSA Advisor's Handbook. Any previous editions of this handbook should not be used.
- The contests listed below are National Level SkillsUSA contests for which our contest supervisors have chosen to make variations in the rules that will remain for the foreseeable future. Contests having special requirements which may change on a yearly basis are found listed at the "Contest Rule Updates and Cancellations" link.

Rules for these contests are on the following pages:

- Computer Programming - C++ and Java
- Collision Repair Technology
- Cosmetology
- Nail Care
- Photography
- Television (Video) Production
- Welding



Determining the National Qualifier for Programming

There is only one competition at the national level for programming. The Illinois state competition has two separate contests, one for Java and one for C++. There will be medals and ribbons awarded for each of the 2 contests. There can only be one student sent to nationals; and, that will be determined as follows.

1. The problems to be solved and their corresponding point values are identical for both contests, Java and C++.
2. The equipment used and the amount of time allowed will be identical for both contests. The software and compilers will be different for each contest due to the languages being different.
3. All students from both contests will be ranked by score, not by the order that they finished in their individual contest. The scores will be used to determine who will be sent to nationals and who will be the alternate. This means that it is possible for two students from the same contest (Java or C++) to be the top student and the alternate for the national competition.



C++ Programming Contest

Purpose

To provide students with an opportunity to demonstrate their skills and knowledge of computer programming using the C++ programming language.

Observer Rule

No observers shall be present during the actual test taking unless approved by the contest supervisor.

Procedure

The contest will consist of the writing C++ programs. Each will have a point value. The points will be totaled and the contestant with the highest point total will be declared the winner. In case of a tie, the student who completes the contest in the least amount of time will be declared the winner.

Rules

1. Points will be added for completeness and accuracy of the output and code.
2. All materials used for the test will be provided by the contest supervisor.
3. There will be a time limit of two hours. The order in which contestants complete the test will be recorded and used only in the event of a tie.
4. The test will be open book and open notes. Students may use one reference book. They may have copies of programs both published and unpublished. Students may not use any media type that information can be stored upon, such as a cd or flashdrive, unless provided by the contest supervisor. Students may not use the internet during any part of the competition. Violations could result in disqualification.
5. Test Topics
 1. The topics will follow very closely to the AP computer science test given by The College Board. It will only cover the "A" exam topics. It is suggested that you check the College Board web site for specific topics. This is true even though the AP exam is for Java.
 2. The syntax of C++.
 3. All problems may be solved in main and creating functions for the class will not be necessary.



C++ Programming Contest

Required contest personnel

1. Contest supervisor or supervisors
2. 3 Judges (Programmers)

Materials and equipment needed

1. Supplied by the technical committee
 - A. Test problems
 - B. Appropriate computers and software.
2. Supplied by the contestant
 - A. Approved reference materials.
 - B. Resume



Java Programming Contest

Purpose

To provide students with an opportunity to demonstrate their skills and knowledge of computer programming using the Java programming language.

Observer Rule

No observers shall be present during the actual test taking unless approved by the contest supervisor.

Procedure

The contest will consist of the writing Java programs. Each will have a point value. The points will be totaled and the contestant with the highest point total will be declared the winner. In case of a tie, the student who completes the contest in the least amount of time will be declared the winner.

Rules

1. Points will be added for completeness and accuracy of the output and code.
2. All materials used for the test will be provided by the contest supervisor.
3. There will be a time limit of two hours. The order in which contestants complete the test will be recorded and used only in the event of a tie.
4. The test will be open book and open notes. Students may use one reference book. They may have copies of programs both published and unpublished. Students may not use any media type that information can be stored upon, such as a cd or flashdrive, unless provided by the contest supervisor. Students may not use the internet during any part of the competition. Violations could result in disqualification.
5. Test Topics
 1. The topics will follow very closely to the AP computer science test given by The College Board. It will only cover the "A" exam topics. It is suggested that you check the College Board web site for specific topics
 2. The syntax of Java.
 3. All problems may be solved in main and creating methods for the class will not be necessary.



Java Programming Contest

Required contest personnel

1. Contest supervisor or supervisors
2. 3 Judges (Programmers)

Materials and equipment needed

1. Supplied by the technical committee
 - A. Test problems
 - B. Appropriate computers and software.
2. Supplied by the contestant
 - A. Approved reference materials.
 - B. Resume

9.7.1

Collision Repair Technology

Purpose

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

Clothing Requirement

Official SkillsUSA light blue work shirt and navy pants, black or brown leather work shoes, and safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.) To purchase official work clothes, contact Midwest Trophy Manufacturing Co. Inc. by calling 1-800-324-5996 or order online.

Eligibility

Open to active SkillsUSA members enrolled in programs with collision repair technology as the occupational objective.

Equipment and Materials

1. Supplied by the technical committee:
 - a. Basic equipment of an auto body and refinishing laboratory.
 - b. Materials for metalworking phase:
 1. Identical hood or fender panels to be repaired.
 2. Stands to support hood or fender panels.
 - c. Materials for painting phase:
 1. Solvent surface cleaning material
 2. Solvents for thinning various primers
 3. Solvents for thinning various paints
 4. Tack rags
 5. Strainers and mixing paddles
 6. Sealers
 7. Paint
 8. Primer
 9. Clear Coat
 - d. Materials for plastic repair phase:
 1. Cleaning solvent
 2. Plastic repair material
 3. Plastic panels for repair
 - e. Materials for estimating phase:
 1. Vehicle owner's name and address
 2. Estimate sheets
 3. Estimate manuals
 4. Calculator
 5. Parts price list for vehicle involved

9.7.2

2. Supplied by the contestant:

- a. Body file
- b. Flat and pick hammers
- c. General purpose dolly
- d. Air Sander
- e. Spray gun
- f. Metal grinder
- g. Cartridge-type respirator
- h. Welding hood
- i. Welding gloves
- j. Body filler
- k. Mixing boards and spreaders
- l. Various grits of sandpaper
- m. Paint suit
- n. Other special tools as approved by the technical committee
- o. One-page, typewritten résumé

Scope of the Contest

1. Contestants will demonstrate their ability to perform tasks selected from the following list of competencies as determined by the Illinois SkillsUSA Championships technical committee. Contestants will complete four 90 minute sessions. Following is a list of the sessions that will be completed. Each contestant will be notified of the order in which to complete the sessions during a briefing the morning of the contest.
 - a. **Metalwork / Plastic repair**
(Contestants will complete the Metalwork and Plastic Repair contests during this session)
 1. Metalwork
 - Metal finish one damaged area
 - Finish second damaged area with body filler to the point of being ready to apply primer surfacer
 2. Plastic Repair
 - Make cosmetic surface repairs on plastic panels
 - Surface preparation
 - Mixing and applying repair material
 - Blocking and feather edging
 - b. **Painting and Refinishing**
 - Clean and prep panel
 - Feather edge repair areas
 - Apply corrosion protection
 - Regulate air and adjust paint gun
 - Demonstrate overall refinishing techniques
 - Apply base/clear paint materials

9.7.3

c. **Welding and Cost Estimating**

(Contestants will complete the Welding and Cost Estimating contests during this session)

1. Welding

- Turn on and determine proper settings on a GMAW (mig) welder
- Perform plug welds
- Perform lap weld

2. Cost Estimating

- Estimate cost for repairing damage using repair estimating manuals

d. **Structural Diagnosis and Written Test**

(Contestants will complete the Structural Diagnosis and Written Test during this session)

1. Structural Diagnosis

- Determine control points in vehicle structure
- Measure frame and unibody structure using a tram gauge
- Diagram needed repairs for various structural misalignments
- Identify structural members within a Unitized vehicle
- Identify components of steering and suspension systems

2. Written Test

- Contestants will complete a test pertaining to all aspects of the collision repair process.

Contest Supervisors:

Rich Schoon
Schoon's Collision Center
20770 Torrence Ave.
Lynwood, IL 60411
708-758-3800

Brad Zara
Zara's Collision Center, Inc.
3117 Widetrack Drive
Springfield, IL 62703
217-522-7768

Cosmetology Competition SkillsUSA Illinois

Purpose

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

Clothing Suggestions

For men: White work shirt, black dress slacks, and closed black leather work shoes or closed black dress shoes. **For women:** White collarless blouse, black dress slacks, black socks or black or skin-tone hose, and closed black leather work shoes or black dress shoes. **For models:** White collarless blouse, black dress slacks or skirt, black or skin-tone hose and black shoes.

Eligibility

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

Equipment and Materials

1. Supplied by the technical committee:
 - a. Tables and chairs
 - b. Hair dryers
 - c. All necessary information and supplies for judges and technical committee
 - d. Any and all pictures or literature of styles, haircuts, and technical's
 - e. First aid kit
 - f. Blood spill kit
2. Supplied by contestant:
 - a. Cutting shears
 - b. Thinning shears
 - c. Razor and spare blade
 - d. Curling iron
 - e. Blow dryer
 - f. Sanex (neck strips)
 - g. Hair spray
 - h. Combs
 - i. Brushes
 - j. Styling lotions
 - k. Spray bottle (filled with water)
 - l. Rollers (no brush or Velcro types permitted)
 - m. Clippies or hair clips
3. Optional:
 - a. Clipper
 - b. Bobby pins and hair pins

Note: Other items brought by the contestant will be subject to approval of the national technical committee and must be declared at the time of site kit check.

Scope of the Contest

Contestants will demonstrate their ability to perform jobs of skills selected from the following list of competencies as determined by the SkillsUSA Championships technical committee.

1. Cutting and Shaping Hair on Mannequin

Must be able to duplicate a predetermined haircut which has been selected by the national technical committee

- a. Scissors and/or razors

2. Setting and Combing Hair on Mannequin or Model

Must be able to wet set hair using any of the following:

- a. Pin curls
- b. Rollers
- c. Finger waving

3. Styling on Mannequin or Model

Must be able to:

- a. Duplicate a predetermined style
- b. Set and comb out a daytime and evening style on model
- c. Create long hair design on mannequin

4. Finger Dry with Blow Dryer

5. Communication Skills

Contestant must be able to follow oral and written instructions, respond to oral questions, demonstrate customer service skills by phone or in person, and/or demonstrate oral presentation skills

- a. Approximately 2-3 minutes
- b. One of the following communication skills will be tested
 - Booking a new client
 - Follow-up call
 - Professional product recommendation

- c. 15 possible points

6. Written Examination

Contestant will answer 15 multiple choice questions covering all aspects of cosmetology

- a. 15 possible points

Contest Instructions

The national technical committee will develop a contest from the stated competency list

Orientation Meeting

An orientation meeting is conducted the day before the contest. The contest rules are reviewed as well as clothing requirements..

Models

1. Models must be active SkillsUSA members of the same state SkillsUSA association as the contestants in either secondary or postsecondary divisions and may be enrolled in any technical program. They will be recognized at the awards program along with the contestant.

2. Models must be supplied by the contestants and must have hair of sufficient length to execute the selected style.
3. Models' hair must be shampooed, cut, and dried before returning to the contest site.
4. Models' makeup (if needed) is to be applied only by the contestant

Daytime Style

5. The contestant, and only the contestant, must choose a style that is suitable to his or her model, and must be able to execute the proper technical concepts required on model.
6. The contestant will do a complete set and full comb out of a daytime style on his or her model, which will be judged (use of current trend optional)
7. No mechanical devices are to be used for the daytime style such as, blow dryers, curling irons, crimping irons, electric rollers, brushes, or hot combs.

Evening Style

8. Contestant will be asked to set and comb out an evening style. The contestant will be asked to brush out the day style and recomb the same head for an evening style.
9. No hairpieces, weaving, ornaments, extensions, ribbons, headbands, or color spray may be added to the hair in any portion of the contest. Only the hair growing from the model's head may be used to create the style.
10. Blow dryers, curling irons, and marcel irons are permitted during the evening style. Use of styling products is acceptable. Rewetting the hair is not acceptable.
11. Earrings may be used but must not be worn until the hair has been completely combed in the evening style.

Mannequins

12. Haircut and air form design
 - a. Scissors, razors, and thinning shears may be required to complete haircut (clippers optional).
 - b. Blow dryers and curling irons may be required to complete blow styling.
 - c. **Note:** the technical committee will supply mannequins and holders. If this changes in a given year, contestants will be told in advance to bring their own mannequins and holders.
13. Long Hair Design
 - a. Competitors will have 1 hour and 30 minutes to create a long hair design.
 - b. Any techniques may be used (braiding, twisting, rolls, loops, etc.). Competitors must bring their own rubber bands or bobby pins.
 - c. No hairpieces or ornamentation allowed.
 - d. Competitors may apply makeup to the mannequin, but they must complete the application during the time allocated.
 - e. No haircutting allowed (slight trimming on the ends OK).
14. Contestants will be asked to present their completed evening style to the audience and judges during the parade finale. Presentations should last approximately one minute.
15. In general, judges will look for balance, control of texture, and control of direction in the finished designs.

Parade Finale

Once the contest has been completed, contestants will be asked to parade, take down mannequins, and clean up.

Contest Rules

1. All contestants must keep their working area clean and organized
2. All contestants must follow sanitation and safety procedures throughout the contest
3. Professional attitude and communication is expected throughout the contest
4. Once time is called, contestant must stop working. Touching the hair of the mannequin or model after time is called will result in three penalty points
5. Cell phones must be turned off during the contest

Nail Care Competition SkillsUSA Illinois

Purpose

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

Clothing Suggestions

For men: White work shirt, black dress slacks, and closed black leather work shoes or closed black dress shoes. **For women:** White collarless blouse, black dress slacks, black socks or black or skin-tone hose, and closed black leather work shoes or black dress shoes. **For models:** White collarless blouse, black dress slacks or skirt, black or skin-tone hose and black shoes.

Eligibility

Open to active SkillsUSA members enrolled in programs with cosmetology / nail care as the occupational objective.

Equipment and materials

1. Supplied by the Technical Committee
 - a. Anti-microbial cleanser (for pre-cleaning hands of contestant and model)
 - b. Hand sanitize (for use by contestant and model)
 - c. Disinfectant tray system with solution (for implements)
 - d. Disinfectant/sanitation surface spray (for work environment)
 - e. Technical guidelines for the specific applications required to be performed
 - f. Disposable Table Towels
 - g. Plastic bags, gallon size, for disposal and refuse
 - h. One electrical outlet per contestant
 - i. The following items needed to complete 3 sculptured two-tone/French manicure acrylic nails:
OPI Bondex Acrylic Bonding Agent, OPI Bond Aid, OPI Polish Remover, OPI NAS '99' Nail Cleanser, 3 Dappen Dishes with OPI Liquid Monomer, OPI Pink Powder, OPI White Powder in your choice of Traditional, Clarite, Competition 3000 or Absolute Acrylic Systems.
 - j. The following items needed to complete 2 wrap nails: Backscratchers Stikr Resin, Backscratchers Kikr Activator, Backscratchers Fiberglass Mesh
 - k. OPI Red Nail Lacquer

All contestants must supply a one-page, typewritten résumé and the items listed on the next page.

2. Supplied by the Contestant
 - a. Safety glasses for contestant and model.
 - b. White terry towels. No holes or stains allowed.
 - c. Water bottle dispenser
 - d. All items necessary to complete flat-paint nail art application. NOTE: Supplies are limited to polish, lacquers, paints and sealer (see Items Not Allowed).
 - e. Written description of the nail art theme. NOTE: Due at registration.
 - f. Portable kit organizer (to transport all items necessary for the contest)
 - g. *Files & buffers needed to finish all nails.*
 - h. *Forms & Sable Brush for Acrylic Application*
 - i. *Tip Cutters for Tip & Wrap Application*
 - j. *Full Well Tips for Tip & Wrap Application*
 - k. Manicure table lamp & electrical extension cord if contestant needs additional lighting.

3. Items Not Allowed
 - a. Nail Art Accessories: Gems, skins, feathers, rhinestones, glitters, threads, fabrics, foils, beads, tapes, jewelry, air brushing, decals/stencils or cast moldings.
 - b. Free-edge or ½ well tips.
 - c. Tip blenders.
 - d. Top coats or base coats. NOTE: Sealer is allowed for nail art application only.
 - e. Electric Files/Drills

Any other items brought by the contestant must be declared at the contest briefing session.

Scope of the Contest

Contestants will demonstrate their ability to perform jobs or skills selected from the following list of competencies as determined by the National Skills USA Championships Technical Committee.

1. Initial Preparation

Pre-judged before the start of the contest at the contest site. The following will be evaluated:

- Table setup; can only consist of items needed for the specific contest application in progress (i.e., if sculptured and tip & wrap are in progress, nail art materials should not be visible during this time. Time will be allowed between each contest to reset table.
- All products and solutions must be properly identified with the manufacturers original packaging and labeling and cannot be defaced.
- Required Tools and products must be accounted for and professionally organized.
- No jewelry is to be worn by the model during the competition (i.e., rings, watches or bracelets.)

2. Oral Professional Development Assessment

A 3-4 minute presentation on the benefits of Natural Nail Care. You can direct your presentation to the judges as if they were a client who came to you for a consultation. The presentation should cover the following points:

- Recommended natural nail care services.
- Results the client should expect.
- The home care products the client would need to purchase and use to obtain these results.

3. Acrylic Application
1 hour & 15 minutes TOTAL Allotted for Acrylic and Tip & Wrap Application – 3 fingers, Middle, Ring and Pinkie, of the model's left hand are to be sculpted with forms, no tips, using the two-tone/french manicure technique. The following will be evaluated:
 - Initial Degree of Difficulty: Based on condition and characteristic of natural nails.
 - Acrylic Application: product control, clarity/no bubbles, smile line, c-curve, arch, thinness and continuity.
 - Finished Appearance: smoothness, shape & length consistent and proportionate to hand, high-gloss shine and cuticle involvement.

4. Tip and Wrap Application
1 hour & 15 minutes TOTAL Allotted for Acrylic and Tip & Wrap Application – 2 fingers, Thumb and Pointer, of the model's left hand are to have nail tips applied and blended and overlaid with a wrap system. The following will be evaluated:
 - Tip Application: fit, alignment, and blending.
 - Fabric Application: placement.
 - Resin/Adhesive Application: product control, even coverage of fabric, and thinness.
 - Finished Appearance: clarity, smoothness, shape & length consistent and proportionate to hand, high-gloss shine and cuticle involvement.

5. Lacquer/Polish Application
1.5 hours Allotted for Lacquer & Nail Art Application – Two coats of Dark Red Crème Lacquer/Polish is to be applied to the model's right hand. The following will be evaluated:
 - Neatness, coverage, evenness and cuticle involvement.

6. Flat Nail Art Application
1.5 hours Allotted for Lacquer & Nail Art Application – Nail art is to be applied to all 5 fingers of the model's left hand. A specific theme is to be carried through on all 5 fingers and in a written description. Contestant must have written and submitted a description of the theme they intend to create at registration. Diagrams of the art you intend to create can also be used. All nail art must be created using polishes, lacquers or paint Only! The following will be evaluated:
 - Creativity; theme, follow through of theme, artist expression, and color coordination.
 - Level of Difficulty; complexity of design.
 - Precision; neatness and clarity of lines.

7. Written Examination: 30 minutes
 - Test will consist of 50 multiple-choice questions on all aspects the nail care.

8. Professionalism & Organizational Skills. The following will be evaluated:
 - Cleanliness and organization of the working environment
 - Sanitation and safety procedures followed throughout the contest
 - Communication and listening skills

Contest Rules

1. Contestants are not permitted to touch their models after they have been seated in the competition area until the competition begins.
2. All contestants must bring a model for the competition.
3. ***Time limits: 1 hour 15 minutes for acrylic and tip & wrap, 30 minutes for written examination and 1 hour 30 minutes for polish and flat nail art applications.*** All segments of work must be completed in the specified time during competition. (i.e., during the acrylic and tip & wrap segment, no work may be completed or started on the nail art or polish application.)
4. Disqualification or penalty points taken can occur for the following:
 - a) Any rule not followed with NO exceptions!
 - b) Leaving competition area before completion of model (applies to both contestant and model) without proper escort.
 - c) Unauthorized use of a product that is not allowed or that doesn't appear in the above listing.
 - d) Any product that appears to have been altered.
 - e) Talking during competition.
 - f) Improper attire.
5. Time will be used as a tiebreaker only.