

PURPOSE

To evaluate each competitor's preparation for employment and to recognize outstanding students in the fields of cleaning, custodial services, and maintenance.

ELIGIBILITY

Open to active SkillsUSA members enrolled in career and technical programs with entry-level job skills as an occupational objective. A letter from the appropriate school official on school letterhead stating that the competitor is classified under the provisions of Public Law 105-17, Individuals with Disabilities Education Act, 1997, is required for participation. State associations having restrictions on the release of this information may submit a letter of eligibility on school letterhead that simply states: "I certify that [student name] meets the eligibility requirements for the SkillsUSA Championships Building Maintenance competition. Signed [school official]." The eligibility letter is to be presented to the competition chair at the competitor orientation meeting.

CLOTHING REQUIREMENT

Class C: Competition Specific — Manufacturing/Construction Khaki Attire

- Official SkillsUSA khaki short-sleeve work shirt
- Khaki pants
- Black, brown, or tan work shoes

Note: Safety glasses must have side shields or goggles. (Prescription glasses may be used only if they are equipped with side shields. If not, they must be covered with goggles.)

These regulations refer to clothing items that are pictured and described at <u>www.skillsusastore.org</u>. If you have questions about clothing or other logo items, call 1-888-501-2183.

Note: Competitors must wear their official competition clothing to the competition orientation meeting.

EQUIPMENT AND MATERIALS

- 1. Supplied by the technical committee:
 - a. Materials, supplies, and equipment
- 2. Supplied by the competitor:
 - a. One pair of plastic or rubber gloves with three-quarter sleeves
 - b. Hearing protection devices
 - c. Eligibility letter from a school official (pre-conference online submission requirement)
 - d. All competitors must create a one-page resume. See "Resume Requirement" below for guidelines.

RESUME REQUIREMENT

Competitors must create a one-page resume to submit online. SkillsUSA South Carolina competitors should submit their resume by the deadline published on the competition updates page of our website. Failure to submit a resume will result in a 10-point penalty.

Your resume must be saved as a PDF file type using file name format of "Last Name_First Name." For example, "Amanda Smith" would save her resume as Smith_Amanda. If you need assistance with saving your file as a PDF, visit the Adobe website for more information.

Note: Check the Competition Guidelines and/or the updates page on the state website.

PROHIBITED DEVICES

Cellphones, electronic watches and/or other electronic devices not approved by a competition's national technical committee are *NOT* allowed in the competition area. Please follow the guidelines in each technical standard for approved exceptions. Technical committee members may also approve exceptions onsite during the SkillsUSA Championships if deemed appropriate.

Penalties for Prohibited Devices

If a competitor's electronic device makes noise or if the competitor is seen using it at any time during the competition, an official report will be documented for review by the Director of the SkillsUSA Championships. If confirmed that the competitor used the device in a manner which compromised the integrity of the competition, the competitor's scores may be removed.

ONLINE SUBMISSION REQUIREMENTS

Competitors must also submit electronic copies of the following items saved as PDFs (portable document format). Link for online submission will be posted on the state competition updates webpage. SkillsUSA South Carolina competitors should submit the

following documents by the deadline published on the state updates website. Failure to submit any of the required documents will result in a penalty.

- 1. ADA Eligibility letter
- 2. Resume

SCOPE OF THE COMPETITION

Competitors will need basic knowledge of cleaning and maintenance, safety, and customer service for the skill performance activities.

KNOWLEDGE PERFORMANCE

The competition does not require a written knowledge test. Competitors in this event are also exempt from the SkillsUSA Professional Development Test.

SKILL PERFORMANCE

The competition will ask participants to demonstrate their ability to perform tasks selected from the following list of competencies as determined by the SkillsUSA Championships technical committee.

COMPETITION GUIDELINES

- 1. Competitors may be asked to:
 - a. provide an oral explanation of a procedure or to answer questions pertaining to the knowledge, skills, and abilities evaluated during the competition.
 - b. participate in a mock interview for a related position in the field.
 - 1). The interview with the judges will be approximately 10-15 minutes. This will allow adequate time for four to six questions.
 - 2). All competitors will be asked identical questions. Such questions might include the following but will be determined by the judges:
 - a.) What are your occupational objectives?
 - b.) What do you like most about this occupation?
 - c.) What are your hobbies?
 - d.) What would you like to be doing five years from now? Ten years?
 - e.) Why do you want to work for our company?
 - f.) What two accomplishments have given you the most satisfaction?
 - g.) What are your extracurricular activities?
 - h.) How would you describe your ideal job?
 - i.) What do you think determines a person's progress within a company?
 - j.) What do you consider to be your outstanding job-related personal characteristics or strengths?
 - k.) What qualifications and characteristics do you have that make you feel you'll succeed in your work?
- 2. Careful instruction and explanation of all tasks to be completed will be given to each competitor in both oral and written form to ensure that the competitor fully understands the assigned task.

- 3. Time limits will be assigned for each task, but no bonus points will be awarded for early completion.
- 4. The judging criteria and points assigned will be determined by the difficulty of the tasks assigned.

STANDARDS AND COMPETENCIES

BLMT 1.0 — Apply knowledge of proper floor maintenance and floor maintenance machinery to care for a variety of surfaces including carpeted, hardwood, vinyl and tile

- 1.1. Vacuum, scrub, dust mop, and wet mop various surfaces
- 1.2. Vacuum carpeted surfaces
- 1.3. Strip, wax and clean hardwood, vinyl, and tile surfaces
- 1.4. Operate a floor buffer
- 1.5. Identify types of surfaces and care needed for proper maintenance
- 1.6. Demonstrate ability to read and comprehend instructions

${\rm BLMT}\ 2.0-{\rm Perform}\ {\rm proper}\ {\rm carpet}\ {\rm vacuuming},\ {\rm shampooing},\ {\rm water}\ {\rm extraction}\ {\rm and}\ {\rm stain}\ {\rm removal}$

- 2.1. Vacuum carpeted area
- 2.2. Bonnet clean carpeted area
- 2.3. Shampoo carpeted area by rotary floor machine or dry foam
- 2.4. Perform hot water extraction on carpeted area
- 2.5. Remove stains or spots from carpeted area
- 2.6. Define carpet terms

BLMT 3.0 — Implement knowledge of custodial chemical measuring, mixing and safety

- 3.1. Implement steps and procedures to measure and mix chemicals
- 3.2. Demonstrate knowledge of custodial chemical terminology
- 3.3. Indicate knowledge and use of Material Safety Data Sheets (MSDS)

BLMT 4.0 — Demonstrate knowledge and use of safety practices in custodial applications

- 4.1. Demonstrate knowledge of safe work practices in custodial services
- 4.2. Demonstrate knowledge and practice of safety in use and handling of electrical equipment
- 4.3. Demonstrate knowledge and use of safety practices when using ladders
- 4.4. Demonstrate knowledge and use of safety practices in the measuring and mixing of chemicals
- 4.5. Indicate knowledge of color codes used in custodial cleaning equipment

BLMT 5.0 — Clean offices and classrooms to make the rooms hygienic and attractive

- 5.1. Apply knowledge and procedures in cleaning office spaces and classrooms
- 5.2. Apply knowledge and use of tools, methods, supplies and equipment to make the rooms clean, hygienic and attractive

BLMT 6.0 — Employ proper window maintenance techniques to wash and clean windows

- 6.1. Wash windows using correct tools, supplies and equipment
- 6.2. Clean blinds, shades and shutters of various types

$\rm BLMT~7.0-Clean$ and maintain walls with a variety of surfaces including painted, tiled, papered and plastered

7.1. Clean various wall surfaces including painted, tiled, papered and plastered walls

BLMT 8.0 — Maintain restrooms using proper cleansing and disinfection techniques

- 8.1. Demonstrate steps and procedures to clean restrooms and showers
- 8.2. Clean toilet bowls, urinals and wash basins
- 8.3. Clean and disinfect restroom and shower ceilings, walls and floors

$\rm BLMT~9.0-Monitor$ general building maintenance, and provide additional cleaning and supply replenishment sources when needed

- 9.1. Dust and clean furnace filters
- 9.2. Dust and clean furniture and fixtures
- 9.3. Fill dispensers such as soap, towels or paper
- 9.4. Clean chalkboards, whiteboards, etc.
- 9.5. Identify tools and materials used in custodial services
- 9.6. Clean and disinfect kitchens, bathrooms, toilets and other public facilities
- 9.7. Properly collect and dispose of various forms of trash

BLMT 10.0 — Apply general maintenance/repairs to plumbing fixtures, i.e., disassemble sink P-trap, clean away an obstruction, reassemble/test for proper operation

- 10.1. Apply knowledge and experience to check a P-trap for clog
- 10.2. Apply knowledge and experience to clean a clogged P-trap
- 10.3. Demonstrate knowledge and experience to choose the correct valve cartridge or seat
- 10.4. Demonstrate steps and procedures to replace valve cartridge or seat

BLMT 11.0 — Apply general maintenance/repairs to electrical fixtures, i.e., disassemble receptacle and switch, install correct receptacle and switch, test for proper operation

- 11.1. Demonstrate knowledge and experience to choose the correct switch
- 11.2. Demonstrate knowledge and experience to choose the correct receptacle
- 11.3. Apply knowledge and experience to install the correct switch
- 11.4. Apply knowledge and experience to install the correct receptacle

BLMT 12.0 — Complete a job interview that meets industry standards.

- 12.1. Professionally introduce yourself.
- 12.2. Display good posture and appropriate dress and grooming.
- 12.3. Demonstrate knowledge of position applying for and personal history.
- 12.4. Respond to four to six questions from the judging panel.
- 12.5. Explain work and leadership experiences concisely when applicable.
- 12.6. Explain personal strengths and weaknesses to the committee when applicable.
- 12.7. Discuss personal and professional short- and long-term goals.
- 12.8. Describe two accomplishments and personal satisfaction gained from each when applicable.
- 12.9. Explain personal qualifications and characteristics that will lead to professional success.
- 12.10. Describe your ideal job when applicable.

BLMT 13.0 — SkillsUSA Framework

The SkillsUSA Framework is used to pinpoint the Essential Elements found in Personal Skills, Workplace Skills and Technical Skills Grounded in Academics. Students will be expected to display or explain how they used some of these Essential Elements. Please reference the graphic, as you may be scored on specific elements applied to your project. For more, visit: <u>www.skillsusa.org/who-we-are/skillsusa-framework/</u>.



The technical committee has identified that the following academic skills are embedded in this competition.

Math Skills

- Use fractions to solve practical problems
- Use proportions and ratios to solve practical problems
- Solve practical problems involving percentages
- Solve single variable algebraic expressions
- Solve multiple variable algebraic expressions
- Solve problems using proportions, formulas and functions

Science Skills

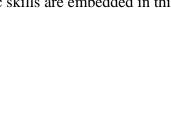
- Describe and recognize elements, compounds, mixtures, acids, bases and salts
- Describe and recognize solids, liquids and gases
- Describe characteristics of types of matter based on physical and chemical properties
- Use knowledge of physical properties (shape, density, solubility, odor, melting point, boiling point, color)
- Use knowledge of chemical properties (acidity, basicity, combustibility, reactivity)
- Describe and demonstrate simple compounds (formulas and the nature of bonding)
- Predict chemical changes to matter (types of reactions, reactants and products, and balanced equations)

Language Arts Skills

- Demonstrate comprehension of a variety of informational texts
- Use text structures to aid comprehension
- Demonstrate knowledge of appropriate reference materials
- Use print, electronic databases and online resources to access information in books and articles

CONNECTIONS TO NATIONAL STANDARDS

State-level academic curriculum specialists identified the following connections to national academic standards.



Persona

Skills

Workplace Skills

SkillsUSA

N

Technical Skills

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Math Standards

- Numbers and operations
- Geometry
- Measurement
- Data analysis and probability
- Problem solving
- Communication
- Connections
- Representation

Source: NCTM Principles and Standards for School Mathematics. For more information, visit: <u>www.nctm.org</u>.

Science Standards

- Understands the structure and properties of matter
- Understands the sources and properties of energy
- Understands forces and motion

Source: McREL compendium of national science standards. To view and search the compendium, visit: <u>http://www2.mcrel.org/compendium/</u>.

Language Arts Standards

- Students apply a wide range of strategies to comprehend, interpret, evaluate and appreciate texts. They draw on their prior experience, their interactions with other readers and writers, their knowledge of word meaning and of other texts, their word identification strategies and their understanding of textual features (e.g., sound-letter correspondence, sentence structure, context, graphics).
- Students adjust their use of spoken, written and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.
- Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge.
- Students use spoken, written and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and the exchange of information).

Source: IRA/NCTE Standards for the English Language Arts. To view the standards, visit: <u>www.ncte.org/standards</u>.