

Action Skills

This contest requires a five- to seven-minute demonstration of an occupational skill in an area in which a student is training. Contestants use examples, experiments, displays or practical operations to clearly explain their skills using contestant-prepared visual aids.

Automotive Refinishing Technology

Contestant must demonstrate the ability to perform skills based on the task list outlined by the National Institute for Automotive Excellence (ASE) and the National Automotive Technicians Education Foundation (NATEF). The competition includes a series of workstations to assess skills in surface preparation, spray gun operation, paint mixing, matching and applying, solving paint applications problems, determining finish defects, causes and cures, and utilizing safety precautions. Competitors also complete an interview, a written estimate, and an ASE written exam. The overall appearance of the finished products, speed and proper safety practices is judged.

Automotive Service Technology

Contestants will demonstrate their ability to perform jobs and skills based on the task list outlined by the National Institute for Automotive Service Excellence (ASE) and the National Automotive Technicians Education Foundation (NATEF). Workstations consist of on-vehicle, simulations, bench and component testing and a written test. Contestants are judged on technical competency, accuracy, quality, safety, and ability to follow directions. There are 13 skill stations including the written test.

Automotive Refinishing Technology

Carpentry

Contestants frame walls using wood and/or steel studs, cut and install rafters, gable end overhangs, fascia board and soffit installation, install sheathing and/or exterior siding and trim. Demonstration of knowledge of stair construction is required. Contestants will be judged on accuracy, ability to read and interpret blueprints, workmanship, safety and the proper use of tools, equipment, and materials.

Class Project Display Individual (District and State Only)

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Class Project Display Team (District and State Only)

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Collision Repair Technology

Contestants demonstrate their ability to perform jobs and skills based on the task list outlined by the National Institute for Automotive Service Excellence (ASE) and the ASE Education Foundation. The competition includes a series of workstations to assess skills in the following areas: metal straightening, attachment methods, plastic repair and structural analysis. The overall appearance of the finished product, speed and proper safety practices are judged. There are written tests on estimating, structural analysis, and an ASE exam. The students fill out a job application, bring a resume, and go through a mock interview.

Cosmetology

Students will demonstrate their skills in haircutting, hair styling and long hair design in four separate tests. All work is performed on mannequins, so everyone begins with the same model and the same type of hair. Contestants will create one 90-degree women's haircut, one woman's cut, and one man's cut from a finished photo. A display of creativity is seen in the long hair segment of the competition where these future salon professionals demonstrate their own design skills. A parade finale closes the contest with each contestant walking down the stage with their completed mannequins to present to the audience.

Customer Service

The contest evaluates students' proficiency in providing customer service. The contest involves live, role-playing situations. Contestants demonstrate their ability to perform customer service in both written and oral forms including telephone and computer skills, communications, problem solving, conflict resolution and business etiquette.

Diesel Equipment Technology

Contestants cycle through fourteen stations testing and troubleshooting engines, electrical and electronics systems, power train systems including chassis, transmissions and carriers. Contestants also demonstrate skills in hydraulic systems, vehicle inspections, fundamental failure analysis, brake systems, air-conditioning systems and general shop skills. Contestants also perform a job interview and complete a written test.

Extemporaneous Speaking

The contest requires contestants to give a three- to five-minute speech on an assigned topic with five minutes of advance preparation. Contestants enter the preparation area one at a time, where they are given a speech topic. They are judged on voice, mechanics, platform deportment, organization, and effectiveness.

Job Interview

This contest is divided into three phases: completion of employment applications; preliminary interviews with receptionist; and in-depth interviews. Contestants are evaluated on their understanding of employment procedures faced in applying for positions in the occupational areas in which they are training.

Job Skill Demonstration A

Contestants demonstrate and explain an entry-level skill used in the occupational area for which they are training. Competitors in Job Skill A must demonstrate a career objective in an occupational area that is included in one of the contest areas of the SkillsUSA Championships.

Job Skill Demonstration Open

Contestants demonstrate and explain an entry-level skill used in an occupational area outside of their training program. Any technical skill may be demonstrated, from outside the training program of the participant.

Prepared Speech

This contest requires students to deliver a five- to seven-minute speech on a common theme established by SkillsUSA for the current school year. Contestants are evaluated on their ability to present thoughts relating to the central theme clearly and effectively, and are rated on voice, mechanics, and platform deportment.

Quiz Bowl

The Quiz Bowl tests a team of five competitors on their ability to quickly respond to questions covering the areas of academic knowledge, *SkillsUSA Career Essentials* knowledge and current events. The competitors also demonstrate communications, time management, teamworking and problem-solving skills. The participants respond to a question by activating a buzzer. The teams receive one point for a correct answer and lose a point for each incorrect answer. The preliminary and final rounds are 100 questions each.

Related Technical Math

On a written test, contestants demonstrate skills required to solve mathematical problems commonly found in the skilled trades and professional and technical occupations. Skills demonstrated include addition, subtraction, multiplication and division of whole numbers, fractions, and decimals; applied word problems; percentages; ratio proportions; averages; area; volume; metric measures and traditional (Imperial) measures and trigonometry.

Download a sample version of a [Related Technical Math test](#).

Welding

Competitors receive contest drawings and a set of welding procedure specifications. All drawings, welding symbols, and welding terms conform to the latest edition of the American Welding Society standards. Through a series of stations, contestants are tested on various aspects of welding: measuring weld replicas, using weld measuring gauges; laying out a plate and using oxy-acetylene equipment to cut several holes that are checked for accuracy and quality; gas metal arc welding (GMAW) on steel making welds in various positions using short circuiting transfers; flux cored arc welding (FCAW) using a shielding gas, making welds in various positions and, using a combination machine capable of providing the correct welding current for shielded metal arc (SMAW) and gas tungsten arc welding (GTAW). Competitors complete the steel project and weld an aluminum project in various positions using a variety of filler metals.

Welding Beginner

First year competitors receive a contest drawing. All drawings, welding symbols, and welding terms conform to the latest edition of the American Welding Society standards. In one station, contestants are tested on various aspects of welding: laying out a plate and using the correct welding current for shielded metal arc (SMAW). Competitors complete the steel project in various positions.