



EVENT CLUSTERS AND DESCRIPTIONS

QUESTIONS? CONTACT US!

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SKILLSUSACO.ORG

3-D Visualization and Animation

Students create a 3-D production environment that fits the given time, resource and design constraints.

Interactive App/Video Gaming

Students produce an interactive multimedia app or video game along with supporting materials (ex:storyboard).

Advertising Design

Students use industry software to produce advertisements by a given deadline.

Photography

On-site, students capture, process, print, and mount photos with DSLRs and studio lighting.

Audio/Radio Production

Students produce a five-minute radio production such as a PSA or news story/interview.

Television (Video) Production

Students plan and shoot a video on location to convey the theme of the event.

Broadcast News Production

Students write, produce, and complete a 3-minute newscast.

Web Design

Students demonstrate skills in website accessibility and scripting.

Digital Cinema Production

Students complete a written exam, a storyboard, an interview, and a video that will be filmed and edited on site.

Cabinetmaking

Students build a cabinet from the drawings, materials, and tools supplied to them.

Carpentry

Students are asked to complete an array of carpentry (ex: soffit installation, framing walls, etc.)

Electric Construction Wiring

Students install a common residential/commercial electrical system in addition to taking a written test based on the National Electric Code (NEC).

HVACR

Students demonstrate a knowledge base of a variety of HVACR units (geothermal units, split system AC, ice machines, etc.).

Masonry

Students will construct a composite brick and block project that tests their ability to meet industry standards in quality.

Plumbing

Students display their "rough-in" plumbing skills by placing a variety of different lines using copper tubing, cast iron, and PVC.

TeamWorks

Students work together to display their combined carpentry, electrical, plumbing and masonry skills to create an "action plan" that they present to judges.

Barbering

Students are judged against industry standards as identified by the National Barber Association.

Cosmetology

Students will demonstrate their skills in hair cutting, hair styling and long hair design.

Esthetics

Students perform a facial cleansing massage, basic facial, beauty makeup, and fantasy makeup applications. Proper sanitary precautions must be followed.

Nail Care

Students will be judged on communication skills, acrylic application, tips applied and overlaid with a light-cured gel, nail polish application, nail art, pedicuring and a written exam.

Computer Programming

Students explain the ins and outs of programming languages in addition to create an executable program from written instructions and design notes.

IT Services

Students correct end-user computing issues, configure and secure networks, manage virtual machines, in addition to a variety of more IT related tasks.

Cybersecurity

Students will be tested on the elements of the NIST Cyber Security Workforce Framework Categories

Internetworking

Students show abilities with cables, trouble shooting network systems, configuring routers, switches and servers, and customer service.

Technical Computer Applications

Contestants demonstrate installation, configuration and use of Windows, Mac OSX and Linux Professional Operating Systems and one or more integrated office suite packages

Criminal Justice

This contest utilizes both written and practical exercises to evaluate the contestants' abilities and knowledge of the field. Contestants are scored on their knowledge and application of U.S. Constitutional Law, written and verbal communications skills, and their ability to handle an entry-level law enforcement position.

Crime Scene Investigation

A team of 3 students are directed to the crime scene and briefed as to the situation. The contestants will process the crime scene, legally search for, properly collect, and remove evidence of the crime. One member of the team will be required to lift a latent fingerprint from a pre-selected item of evidence. Contestants will write their report, draw the crime scene sketch and mark their evidence.

Automotive Refinishing Technology

Contestants will demonstrate skills in: surface preparation, spray gun operation, paint mixing, matching and applying, etc.

Automotive Service Technology

Contestants are judged on technical competency, accuracy, quality, safety, and ability to follow directions, as well as a job interview and written test.

Collision Damage Appraisal

Students demonstrate excellence and professionalism in the field of collision damage appraisal and total loss evaluation.

Collision Repair Technology

The competition includes a series of workstations to assess skills in the following areas: metal straightening, welding, plastic repair and structural analysis.

Diesel Equipment Technology

Contestants cycle through stations troubleshooting engines, electronics systems, power train systems including chassis, transmissions and carriers.

Maintenance Light Repair

The contest follows the auto maintenance and light repair task list outlined in guidelines published by the National Institute for Automotive Service Excellence (ASE).

Motorcycle Service Tech

Contestants perform skills including scheduled maintenance tasks, electrical diagnostic and parts manuals, electrical diagnostics, etc.

Power Equipment Technology

Contestants must know and understand both 2 & 4 cycle engines, as well as drive trains, hydraulic, and wiring schematics.

Welding

Contestants measure weld replicas, lay out a plate and use oxy-acetylene equipment to cut several holes; 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).

Welding Fabrication

(Team of 3) Teams build a designed project from the given material. Each team is required to be skilled in the following welding and cutting processes: SMAW, GTAW, GMAW, FCAW and OFC.

Welding Sculpture

Contestants demonstrate their ability to design and produce a sculpture, as well as give a presentation regarding all aspects of his/her creation of the design. A notebook is required displaying evidence of original work. Each participant is interviewed regarding aspects of design and creation of the piece. There will be no live welding on site.

Action Skills

Students deliver a five- to seven-minute demonstration of an occupational skill in an area in which a student is training.

American Spirit

This is a notebook contest documenting SkillsUSA chapters' community service; patriotism and citizenship; and promotion of career and technical education projects.

Chapter Display

A team of three students build a three-dimensional display that articulates a national annual theme established by SkillsUSA.

Community Service

SkillsUSA chapters present their best community service project for the year in a notebook and presentation.

Customer Service

Contestants demonstrate customer service via telephone and computer skills, communications, problem solving, conflict resolution, and business etiquette.

Employment Application Process

Students complete an application and interview with judges. A résumé and portfolio are used during their interviews.

Entrepreneurship

Students create their own businesses by developing business plans that identify needed products or services in a local market.

Extemporaneous Speaking

Contestants give a three- to five-minute speech on an assigned topic with five minutes of advance preparation.

First Aid/CPR

Contestants perform procedures or take appropriate action based on scenarios presented related to CPR and first aid medical emergencies.

Job Interview

Contestants demonstrate their understanding of employment procedures for positions in the occupational areas for which they are training.

Job Skill Demonstration

Contestants demonstrate and explain an entry-level skill used in the occupational area for which they are training or outside of their training program.

Opening and Closing Ceremonies

This contest evaluates teams' understanding of the symbolic representation of the colors and assembled parts of the SkillsUSA emblem.

Pin Design

Students present artwork and participate in an oral presentation regarding all aspects of their creation of the design.

Prepared Speech

Contestants deliver a speech on the annual theme. They are evaluated on their ability to present thoughts relating to a central theme, and on voice, mechanics, and platform deportment.

Promotional Bulletin Board

The bulletin boards promote SkillsUSA, career and technical education, and related occupational information using the annual theme.

Quiz Bowl

Competitors' quickly respond to questions covering the areas of academic knowledge, professional development and current events.

Related Technical Math

Contestants solve mathematical problems commonly found in the skilled trades and professional and technical occupations.

T-Shirt Design

Competitors design and produce a drawing of a T-shirt design, as well as give a presentation regarding all aspects of his or her creation of the design.

Additive Manufacturing

This contest embraces a range of materials and derivative processes building parts suitable for end-use service.

Architectural Drafting

This contest includes a written test, a hand sketch, and drawings (computer-generated or board drafted) testing contestants problem solving in addition to their CAD skills.

Automated Manufacturing Technology

The contest evaluates teams for employment in integrated manufacturing technology fields such as CAD, CAM, and CNC.

CNC Milling Specialist

Contestants will write CNC milling programs, interpret prints (including GDT), and measure/gage parts.

CNC Technician

This contest assesses the ability to write CNC turning and milling programs, interpret prints, and measure/gage parts.

CNC Turning Specialist

This contest assesses the ability to write turning programs, interpret prints (including GDT), and measure/gage parts.

Electronics Technology

Technology The contest includes customer service, soldering, breadboarding, troubleshooting, and a written exam.

Mobile Robotics Technology

Contestants will perform, exhibit and compile skills and knowledge from a list of competencies. Contestants show preparation for employment in the field of robotics

Robotics: Urban Search and Rescue

Teams show preparation for employment in fields related to and including robotics, engineering, manufacturing, electronics, automation, and emergency services.

Technical Drafting

Contests solve problems by applying appropriate technical drafting skills and tools including computer-aided drafting.