

SkillsUSA

PENNSYLVANIA

Web Design and Development

Purpose

To evaluate each competitor's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of web design and development. First, download and review the General Regulations at: <http://updates.skillsusa.org>.

Eligibility

Open to a team of two active SkillsUSA members enrolled in programs using web design or web development as an occupational objective.

Clothing Requirements

Please follow the SkillsUSA National Technical Standards Clothing Guidelines.

Class E: Competition Specific - Business Casual

Official SkillsUSA white polo shirt

Black dress slacks or black dress skirt (knee-length minimum)

Black closed-toe dress shoes

Safety Requirements

The SkillsUSA Technical Committee and Judges are released from all responsibility relating to personal injury resulting from the use of the equipment. Contestants will be removed from competition if they are using the equipment in an unsafe manner.

Equipment and Materials

1. Supplied by the technical committee:

- a. Desks and chairs
- b. Graphics/ files for project
- c. Blank Paper
- d. Pencils

2. Supplied by the competitor:

Computer/Laptop Requirements

- a. 8GB memory recommended
- b. Windows or MAC OS
- c. JavaScript enabled web browser
- d. Non-WYSIWYG web authoring software such as Brackets, Visual Studio Code, Atom, etc.
- e. Image editing software
- f. Vector art creation software
- g. Full administrative rights (at minimum a profile on the laptop with administrative rights and a password provided to an advisor or the state chair (hough@jemcreativeworks.com) if last minute policies need to be adjusted) or a direct/cell number to an IT admin at the competing school.

Other Required Items

- a. Power Strip & **Extension Cord**
- b. Permissions to connect to competition Wi-Fi
- c. Blank USB drive

Optional Items

- a. *Drawing Tablet*

- b. *Sketch Paper*
- c. *Writing and drawing utensils*
- d. *additional screens/monitors*
- e. *external keyboard*
- f. *external mouse*

Resume Requirement

Competitors must create a one-page resume. Failure to submit a resume will result in a point deduction penalty. Resumes must be printed and provided to the competition chair.

Prohibited Devices

Cell phones and/or other IoT, internet of things, electronic and wearable devices are NOT allowed in the competition area. This includes restrooms and competition holding areas.

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 SkillsUSA Pennsylvania Championships director. If confirmed that the competitor used the device in a manner which compromised the integrity of the competition, the competitor's scores may be canceled.

Scope of the Competition

Teams will begin setting up contest equipment at the beginning of the briefing, beginning at 10am. Once all equipment is setup the remainder of the content will run as follows:

- a. Each competitor of each team will hand in their one-page resume to the chair in paper form for each teammate.
- b. Teams will receive project specification sheets and written examination during the contest briefing, after *all* equipment is setup and tested.
- c. Teams will complete written examination *independently* and return to judges.
- d. Team members may begin project, using provided material as soon as examination has been returned to judges.
- e. Team members may begin working on the project, even if their teammate has not finished the examination.
- f. Teams will work to meet all project requirements until the final submission time, 2:30 pm.
- g. Teams will be provided lunch outside of the contest area while judges evaluate projects.
- h. Teams will be asked to return to contest area to clean up and collect equipment.

Note: Contestants may not leave the testing area until both practical & written portions have been submitted, unless to use the restroom

The purpose of this contest is to evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of web design and development.

This contest is defined by industry standards set by the current industry technical committee.

Knowledge Performance

Contest consists of a written knowledge examination assessing the team's general knowledge of definitions, software, processes and procedures relevant to web design in such areas as graphics, design, layout, programming, code and process.

Skill Performance

This team event includes such topics as programming (HTML, XHTML, client-side scripting), web graphics, website design (usability), website management, project management, and web multimedia. Legal issues surrounding the field of web design will also be considered a part of this contest.

Competition Guidelines

Students will be expected to create a website from front to back from a provided case study.

Overall Score

- a. Written Exam - 100 points
- b. Graphic & Type - 160 points
- c. Overall Design & Layout - 160 points
- d. Programming & Code - 350 points
- e. Professionalism - 100 points
- f. Bonuses - 25 points
- g. Clothing Penalty - 50 points*
- h. **Tie Breaker:** The team with the highest programming and code score.

Please reach out to hough@jemcreativeworks.com using SkillsUSA as the subject with any questions. I will prioritize any email with the subject SkillsUSA.

Zoom Meeting Orientation 3/29 at 1:00 pm
an invitation will be sent to your advisor

All Scores are the property of SkillsUSA Pennsylvania.