



Regional 2020-2021 Contest Catalog

POWER EQUIPMENT TECHNOLOGY (Virtual)

Contest Description

The purpose of this competition is to evaluate each contestant's preparation for employment and recognize outstanding students for excellence and professionalism in engine and equipment diagnostics, overhaul and repair of both liquid and air-cooled Engines. Open to active SkillsUSA members enrolled in programs with small air-cooled engine repair or power equipment-related repair programs with that as its occupational objective. This contest will test each student's skills in areas of Power Equipment Technology through an online contest/exam and virtual stations. The stations will be based on what a technician may encounter on a daily basis.

Regional Competition

Students will compete in this competition live over the Zoom platform on **January 30, 2021 at 9 AM**. Students should be ready to present at their scheduled time. The contestant schedule will be emailed to the advisor/contestants by Friday, December 11, 2020. Changes cannot be made to scheduled time slots. **Resumes must be submitted** to SkillsUSA California **by January 16, 2021** (details to follow).

Skill Performance

The contest will evaluate students on knowledge that an entry level apprentice should know and will reflect what a student will encounter at the national level. Each contestant must be logged into the meeting at the scheduled time. All students will complete the virtual stations at the same time. Regional competitions may include approximately 4 to 5 of the following virtual stations:

- Parts Identification
- Tool Identification
- Precision Measurements

All SkillsUSA California contest projects are subject to change due to any unforeseen facility, staffing or site-related issues. Please use these materials as a reference to prepare students for the potential contest project. SkillsUSA California regional and state contest projects are developed by state technical committee members to align with the national technical standards.



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- Electrical
- Virtual Engine Diagnostic and Repair Scenario

Students will be scored on how much of the station they complete and the accuracy of their answers.

Knowledge Performance

This contest includes a knowledge exam that will cover 2-stroke and 4-stroke theory, carburetion, speed control, electrical systems and SkillsUSA Framework and basic knowledge.

Materials Supplied by SkillsUSA CA

- Virtual Stations over the Zoom Platform
- Electronic Exam

Student Materials List

- One-page resume (SkillsUSA format)
- Computer with high-speed internet capability and camera to use applications such as Zoom. The minimum recommended internet bandwidth speeds for joining Zoom meetings, accessing on-demand curriculum and other online operations is 2.0 Mbps up and down. You can test your current internet speeds by following this link: <https://www.speedtest.net/>. Allow the page to load and click on GO.

Clothing Requirements

Official Dress is NOT required for Regionals. Clothing must be unbranded with no words, images, or logos. SkillsUSA or SkillsUSA California attire is recommended.

Note: Check the National Contest Guidelines and/or the updates page on the SkillsUSA website and the SkillsUSA California Competitive Events page:

- www.skillsusa.org/compete/updates.shtml

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- <https://www.skillsusa.org/competitions/skillsusa-championships/contest-descriptions/>
- <https://www.skillsusaca.org/competitive-events-2>

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