

33rd Annual Student Career Days
March 26 – 29, 2009
Cal Poly Pomona

COMPACT EXCAVATOR OPERATION

Note: This event is being offered on a trial basis for 2009; therefore, the individual scores for this event will not be combined toward the team score. In addition, the individual points will not be counted towards the overall student scores, but awards will be given for First, Second, and Third place teams. Students who choose to participate in this test event will be permitted to compete in five regular events so that they may still qualify for the Super Star Awards.

Description: The student (maximum of one individual per school) will demonstrate sound understanding and proficient operation of a compact excavator. The student will be required to perform a safety and maintenance inspection prior to operation, and operate a compact excavator through a series of tasks that simulate real-world job applications. Such applications might include digging a trench, backfilling, accurately placing material, and operating in tight spaces. In addition, students will be given a written multiple choice exam of approximately 30-40 questions on Friday. Topics covered by the written exam will cover safety, maintenance, operation, and key machine characteristics of a compact excavator.

Time: While it is recommended that students finish the exam in 30-45 minutes, there will not be a time limit on completing the written exam. Each student will have 15 minutes to complete excavator operation at the outdoor portion of the event. Time slots for the event will be assigned during Friday's event briefing, on a first-come / first-serve basis.

Limits: The sponsor reserves the right to limit the number of individuals that will compete due to time constraints. Schools will be entered into the lottery based on the date their registrations were received and paid for. (Registrations that are received late or have not been paid will be placed on a waiting list.)

JUDGING CRITERIA

Points: 100 possible points for the individual score. Points will be assigned based on the following criteria:

1. Written exam (25%)
2. Pre-operation inspection of the compact excavator (25%)
3. Safe and accurate completion of operational tasks on the simulated jobsite (50%)

Time will only be used as a tiebreaker.

Students are required to bring the following materials to the event: A pencil and eraser for the written exam on Friday. For Saturday, a hard hat, safety glasses, gloves, and ear protection. Students are required to wear pants, long-sleeved shirts, and hard-soled shoes or boots.

Sponsor is required to supply the following materials for the event:

- Two compact excavators for operation of event
- Diagram and set up of obstacle course
- Copies of written exam (Scantron system will be used for recording answers)
- Final solution for written exam ready for scoring the students' tests
- Stopwatches
- Sufficient number of judges and event monitors