

SkillsUSA District Competitions

Wilkes Barre Area Career and Technology Center
January 12, 2011

PRECISION MACHINING

CONTEST TO BE HELD AT JOHNSON COLLEGE
SCRANTON, PA

All contestants are to come to WBA CTC first for registration.
WBA will then transport contestants to Johnson College.

Clothing Requirements: proper work attire; shoes and safety equipment

Supplied by Contestant: safety glasses, scientific calculator

Time Allowed: two hours, 10:00 a.m. – 12:00 p.m.

Station 1 – Lathe Test

Test will consist of a shaft, made up of three different diameters, an undercut, and threads. The threads will be single point threaded, and checked by the three-wire method. The part will be parted off. All tooling and measuring instruments will be provided.

Station 2 – Mill Test

The test part will need to be surface ground, slotted, and milled to length and width. Reaming operations will also be required.

Station 3 – Written Test

Test will be comprised of mathematic calculations commonly used in a machine shop. Students will be required to bring a scientific calculator.