

## State CNC Competition Plan

The following information will be emailed to the instructor of each student who is registered competitor. The instructor will be the proctors for each competitor, and will make sure all rules are followed. There will not need to be any video recording of the competition.

Attached to the competition email will be both the State CNC Turning and CNC Milling problems for this year's competition. The time limit for both parts is 6 hours. This time does not include the machine set-up or the making of the blank for the part. If your student is competing in the CNC Technician contest he has 6 hours for each, but if he finishes one in 4 hours he still only has 6 hours for the other. Please include a report to the judges of how long it takes to produce the part for each contestant.

**Remember the parts have to be produced using G & M code programming NO CAM software is to be used ( Master Cam, Gibbs Cam, etc.) and No Conversational programming.** You can use any type CNC Machine Emco, Denford, Haas, Hurco, etc.

The written tests that are usually done on Saturday at competition will be done online in Google Forms. The links for them will be attached to the competition email.

All Notes, the print used and a printed copy of the program **MUST** accompany the part, and will be mailed to the address below for judging. This paper work will be worth 150 points and is due with the part.

The online tests are still being put into online format and could include the following: multiple choice Basic HAAS G&M code test, a Specific G code test for Turning and Milling (CNC Technician students take both), Sine bar calculations, Shop Math with Handbooks, and Inspection. No reference material will be allowed on the G & M code portion of the testing. Calculators may be used as well as Machinery Handbooks or Student Ready Reference Books may be used on the remaining tests.

**Remember this contest is based on everyone's integrity, please do not handout the prints to your student until they are ready to start, their time begins when they receive the print. You can tell them the blank size and tolerance.**

Please remember to send a Resume with a packet containing the final part, any programs and notes to the address that will be in your competition Email.