

2012 MICHIGAN SKILLS USA CHAMPIONSHIPS
TASK & MATERIAL LIST
SKILL OR LEADERSHIP AREA: CNC TURNING AND MILLING

CNC Turning and Milling Competition Guidelines

- Each Chapter is allowed two competitors in each area.
- There is no regional competition.
- Each competitor will report to competition area Saturday morning at 8:00 a.m., wearing khaki shirt, blue jeans, work boots, and safety glasses. This dress code will be strictly enforced with a 15 point penalty for failure to meet it.
- Competitors are allowed to bring calculators and any reference materials used in writing programs, along with pencils and paper.
- Competitor's instructor or advisors must accompany them to the competition area. Instructors/advisors will be involved with inspection and scoring of competition parts.

The competition will be as follows:

- Competitor's advisors or instructor are to contact Guy Hart by email (Guy.Hart@romeo.k12.mi.us) by April 1st and provide a mailing address for their school.
- The week prior to the state competition, Mr. Hart will mail out a packet that contains the material to be used, the blue prints, and the timeline to be adhered to. The competitors will use the machines at their own facility and MUST use only M&G code programming for the assigned part. NO CAM or CONVERSATIONAL programming of any kind will be allowed.
- We are doing it this way, as we did last year, to allow the competitors to show their true ability instead of them trying to become familiar with a new/different machine on the competition day. Also, we are handling the competition this way due to previous problems with supplied equipment and undue stress on competitors and committee members. Running the competition in this manner depends on the individual integrity of all involved. The contest is set up with specific checks to indicate to the committee if the part was produced by the guidelines. Please follow the rules.
- On Saturday, as part of the competition, competitors will be given another program to write and a written knowledge test. On Saturday, the competitors and advisor/instructor will present their part and all their programming information for the part. (written program) Failure to provide written program will disqualify the part.
- The instructors/advisors will inspect and judge the parts in the same manner used in World Skills Competition.

If you have any questions, feel free to contact Guy Hart at Guy.Hart@romeo.k12.mi.us or by cell phone (586.453.4596).

Revised 1/4/12

CNC Milling Scorecard

Items Evaluated	Possible Points	Contestant Number						
		1	2	3	4	5	6	7
Conformity to Print	200							
Dimensions	750							
Written Test	50							
Résumé Penalty	0 to -50 only							
Clothing Penalty	Up to -50							
Additional Material	-10 pts each time part height is reduced by .2							
Workstation Dirty	Up to -50							
Total Possible Points	1,000							

CNC Turning Scorecard

Items Evaluated	Possible Points	Contestant Number						
		1	2	3	4	5	6	7
Conformity to Print	200							
Dimensions	750							
Written Test	50							
Résumé Penalty	0 to -50 only							
Clothing Penalty	Up to -50							
Additional Material	-10 pts each time part height is reduced by .2							
Workstation Dirty	Up to -50							
Total Possible Points	1,000							