



CNC Milling



Date	2/18/22	Orientation Time	8:30 a.m.
Location	Sentinel Career & Technology Center	Contest Time	*immediately after orientation
Contest Coordinator	Ron Huffman (SCTC) and Larry Ray (Vantage)	Contact Information	567-230-3589 or rhuffman@vsctc.org
Purpose	The purpose of this contest is to evaluate each contestant's preparation for employment in Computer Numeric Control Milling. In addition, to recognize outstanding students for excellence and professionalism.		
Testing	General CNC and Manufacturing Knowledge test		
Eligibility	1 contestant for every 50 paid members enrolled in program		
Clothing	CLOTHING REQUIREMENT — Manufacturing/Construction Khaki Attire • Official SkillsUSA khaki short-sleeve work shirt and pants. • Black, brown or tan leather work shoes. • Career field uniform without school district logo. Note: Safety glasses must have side shields or goggles (prescription glasses may be used only if they are equipped with side shields. If not, they must be covered with goggles).		
Provided by Contestant	Professional Resume Pen or Pencil Non-programmable calculator (not a machinist calculator) <u>Provided at site:</u> Hard copy of Haas CNC Mill and CNC Lathe reference manual to use during contest, plain paper for notes and calculations on contest, Haas controller. <u>Disqualifications:</u> Cell phone in competition area, smart watches.		
Required Standards and Competencies	<p>CNCM 1.0 - Apply basic machining skills per industry standards as set forth by the technical committee.</p> <p>CNCM 2.0 - Demonstrate knowledge of CNC programming per industry standards as set forth by the technical committee.</p> <p>CNCM 3.0 - Perform mathematical calculations as needed for calculating speeds, feeds, program coordinates, angles, radii and tangent points.</p> <p><i>Please review the 2021-2022 SkillsUSA National Tech Standards for detailed information on each skilled performance standard.</i></p>		