




SkillsUSA® Contest Scope

Contest:	CNC Milling Technology
Contest Chair: Email:	Daryl Davis ddavis@rmctc.org
Contest Location: 	Reading Muhlenberg CTC 2615 Warren Rd. Reading, PA 19604 Phone: 610-921-7300
Purpose:	Contestants will be evaluated on creating/editing a CNC milling program, measurement/inspection practice, and general machining knowledge via a written test.
Clothing:	Contest appropriate clothing. Long pants, closed toe work shoes (no open toe shoes or sneakers), Short sleeve shirt, Z87+ safety glasses. No dangling jewelry, wallets, etc. Long hair must be secured with a hair tie. Students will not be penalized for clothing unless it is a safety violation.

EQUIPMENT AND MATERIALS:

Provided by the Host School:	All measuring tools and programming/knowledge test materials provided.
Provided by the Contestant:	Machinery's Handbook Calculator with trigonometric function keys (SIN, COS, TAN).

SCOPE OF CONTEST:

Competitors will be required to test their skills in the following areas:	<p>Given a milling part print and a CNC program template, create /edit a G-code program to machine the part to print specifications.</p> <p>Using the Machinery's Handbook and calculator, complete a general machining knowledge written test.</p> <p>Given sample parts and standard measuring tools, measure and record part features/dimensions.</p>
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ADDITIONAL INFORMATION:

Anything else competitors may need to know:	<ul style="list-style-type: none"> • <u>Students will not be permitted to use the Internet or electronic devices of any kind.</u>
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