




# SkillsUSA® Contest Scope

<b>Contest:</b>	<b>CNC Turning Technology</b>
<b>Contest Chair:</b> <b>Email:</b>	Daryl Davis ddavis@rmctc.org
<b>Contest Location:</b> 	Reading Muhlenberg CTC 2615 Warren Rd. Reading, PA 19604 Phone: 610-921-7300
<b>Purpose:</b>	Contestants will be evaluated on creating/editing a CNC turning program, measurement/inspection practice, and general machining knowledge via a written test.
<b>Clothing:</b>	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:

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

## SCOPE OF CONTEST:

<b>Competitors will be required to test their skills in the following areas:</b>	<p>Given a lathe 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:

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