

Skills USA NTC Regional Competition



Over All Competition Rubric

Student #: _____

Items Evaluated	Points Possible	Points Earned	Comments
Written Test	39		
Mill Part	88		
Lathe Part	95		
Resume'	15		
Total Points	234		

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Lathe Part Rubric

Student#: _____

Grading: Each objective has the point value to the right of the objective and each one objective is graded pass or not pass.

Print Dimension	Size Limits	Points per Dim.		Comments
2-1/2"	2.485/2.515	5	0	
1.000" \varnothing	.997/1.003	5	0	
1.188" \varnothing	1.185/1.191	5	0	
1.03" \varnothing	1.020/1.040	5	0	
1.188" \varnothing	1.185/1.191	5	0	
1.06" \varnothing	1.050/1.040	5	0	
1.438" \varnothing	1.435/1.441	5	0	
.25	.240/.260	5	0	
.81	.800/.820	5	0	
1.44	1.430/1.450	5	0	
.31	.300/.320	5	0	
.38	.370/.390	5	0	
9/16-3/4" \varnothing	.562/.750	5	0	
1-1/4" deep	1.235/1.265	5	0	
1/32"x45° Both Ends	.015/.045	5	0	
1/8"x45°	.110/.140	5	0	
1/2"-20 UNF 2B	1/2"-20	5	0	
125 Surface Finish	125 Max	5	0	
Free of Burrs	N/A	5	0	

Total Points Earned – 95 points possible _____

Inspector: _____

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Student#: _____

Mill Part Rubric

Grading: Each objective has the point value to the right of the objective and each one objective is graded pass or not pass. In the event of a tie for the overall competition, the tie breaker will be the combined machining time of both the mill and the lathe projects.

Deductions: There will be a 5-point deduction for every tool that needs to be replaced.

Print Dimension	Size Limits	Points per Dim.		Comments
2.2	2.190/2.210	4	0	
5.0	4.990/5.010	4	0	
.75 (top of print)	.745/.755	4	0	
3.000	2.997/3.003	4	0	
0.200	0.197/0.203	4	0	
4.495	4.492/4.498	4	0	
.150	.147/.153	4	0	
.75 (bottom of print)	.745/.755	4	0	
2.995	2.992/2.998	4	0	
0.195 (Right)	0.192/0.198	4	0	
0.195 (Left)	0.192/0.198	4	0	
4.505	4.502/4.508	4	0	
.050	.047/.053	4	0	
3/8 Drilled Holes x 3	0.359/0.391	4	0	
.50 "X" Left Hole Loc.	.495/.505	4	0	
1.10 "Y" Left Hole Loc.	1.095/1.105	4	0	
4.25 "X" Bot. Rt. Hole Loc.	4.245/4.255	4	0	
1.60 "Y" Bot. Rt. Hole Loc.	1.595/1.605	4	0	
4.13 "X" Top Rt. Hole Loc.	4.125/4.135	4	0	
.63 "Y" Top Rt. Hole Loc.	.625/.635	4	0	
125 Surface Finish	125 Max	4	0	
Free of Burrs	N/A	4	0	
Points Earned (88possible)				
Deductions (-5 points for each tool damaged)				
Total Points Earned				

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