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CW High School

Turning Fundamentals

1. CVTC Course projects (100.00%)

Learning Targets

1.1 I can demonstrate how to properly use a dial caliper and micrometer to accurately measure parts within a tolerance of +/- 0.002 for calipers and +/- 0.0005" for micrometers.

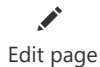
Learning Target	Descriptor	Definition
4	Proficient	I can demonstrate how to properly use a dial caliper and micrometer to accurately measure parts within a tolerance of +/- 0.002 for calipers and +/- 0.0005" for micrometers.
3	Developing	I can demonstrate how to use a dial caliper and micrometer to accurately measure parts within a tolerance of +/- 0.002 for calipers and +/- 0.0005" for micrometers, but still make an a mistake when the instrument is close to the index line.
2	Basic	I can demonstrate how to use a dial caliper and micrometer to accurately measure parts, but measuring inside features using the depth rod and measuring the fourth decimal on a micrometer are still difficult.
1	Minimal	My measurements are very inconsistent and I really am not sure what I am doing wrong.
0	No Evidence	No evidence shown.

1.2 Complete projects 102, 103, and 104 for safety

Learning Target	Descriptor	Definition
4	Proficient	Complete projects 102, 103, and 104 for safety
3	Developing	The assessments is 85% correct.
2	Basic	The assessments is 65% correct.
1	Minimal	The assessments is 50% correct.
0	No Evidence	No evidence shown.

1.3 I can complete project 103 Tool Bit Grinding

Learning Target	Descriptor	Definition
4	Proficient	I can complete project 103 Tool Bit Grinding
3	Developing	I can accurately sharpen a HSS tool bit, but still have trouble with the radius.
2	Basic	I can grind all three sides of a HSS tool bit, but either the angles are off or the surfaces contain multiple planes.
1	Minimal	I understand what the proper bit is supposed to look like and I have attempted to grind it, but I struggle to get the correct angles and smooth faces.
0	No Evidence	No evidence shown.



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4 I can complete written calculation assessments 104, 109, and 111.

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Learning Target	Descriptor	Definition
4	Proficient	I can complete written calculation assessments 104, 109, and 111.
3	Developing	The assessment is 85% correct.
2	Basic	The assessment is 65% correct.
1	Minimal	The assessment is 50% correct.
0	No Evidence	No evidence shown.


1.5 I can complete project104 Two-Step Turn

Learning Target	Descriptor	Definition
4	Proficient	I can complete project104 Two-Step Turn
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.6 I can complete project105 Straight Center.

Learning Target	Descriptor	Definition
4	Proficient	I can complete project105 Straight Center.
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.7 I can complete project106 Machinery's Handbook.



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Learning Target	Descriptor	Definition
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4	Proficient	I can complete project106 Machinery's Handbook.
3	Developing	The assessment is 85% correct.
2	Basic	The assessment is 65% correct.
1	Minimal	The assessment is 50% correct.
0	No Evidence	No evidence shown.

1.8 I can complete project107 Hammer Head.

Learning Target	Descriptor	Definition
4	Proficient	I can complete project107 Hammer Head.
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.9 I can complete project108 Hammer Shank.

Learning Target	Descriptor	Definition
4	Proficient	I can complete project108 Hammer Shank.
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet



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Learning Target	Descriptor	Definition
0	No Evidence	No evidence shown.

1.10 I can complete project110 Hammer Handle.

Learning Target	Descriptor	Definition
4	Proficient	I can complete project110 Hammer Handle.
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.11 I can complete project 112 Guide Bars A and B

Learning Target	Descriptor	Definition
4	Proficient	I can complete project 112 Guide Bars A and B
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.12 I can complete project 113 Threaded Screw.

Learning Target	Descriptor	Definition
4	Proficient	I can complete project 113 Threaded Screw.



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Learning Target	Descriptor	Definition
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.13 I can complete project 114 Hammer Shank Threading.

Learning Target	Descriptor	Definition
4	Proficient	I can complete project 114 Hammer Shank Threading.
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.14 I can complete project 115 Lathe Bore .

Learning Target	Descriptor	Definition
4	Proficient	I can complete project 115 Lathe Bore .
3	Developing	The project has a minor surface finish issues or a chamfer might be slightly out of tolerance. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
2	Basic	The project does not meet print tolerances on a major dimension, but it can be reworked to meet tolerances. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet



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Learning Target	Descriptor	Definition
1	Minimal	The project does not meet print tolerances on a major dimension, and can not be repaired or reworked. I have correctly completed to process requirements. The part is free of burrs & bluing I have Includes a completed inspection sheet
0	No Evidence	No evidence shown.

1.15 I can accurately describe the tools, equipment, process, and procedures for using a manual engine lathe.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately describe the tools, equipment, process, and procedures for using a manual engine lathe.
3	Developing	The assessment is 85% correct.
2	Basic	The assessment is 65% correct.
1	Minimal	The assessment is 50% correct.
0	No Evidence	No evidence shown.

Submitted on 7/14/2019 by Bob Morehead