Teacher Name : Joseph Chicalese **Subject :Precision Machine** **Start Date(s): 2/11-15** **Grade Level (s): I II III**
Building:

HAZLETON AREA SCHOOL DISTRICT

DISTRICT UNIT/LESSON PLAN

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Unit Plan

Unit Title: an educational unit title summarizes content across several lessons that establishes and reinforces certain skills and essential knowledge for grade levels and content areas.

Examples - *Building Complete Sentences*

Essential Questions: Essential questions are concept in the form of questions. Questions suggest inquiry. Essential questions are organizers and set the focus for the lesson or unit. Essential questions are initiators of creative and critical thinking. Essential questions are conceptual commitments focusing on key concepts implicit in the curriculum

Examples - What must a scientist do in order to research something?
What is the role of geometry in advertising, architecture, or fabric design?
Do stories need a beginning, middle, and end? Why?
How do people express themselves through art today?

Standards: **PA Core Standards, PA Academic Standards/Anchors (based on subject)**

Summative Unit Assessment :

Summative Assessment Objective	Assessment Method (check all that apply)
Students will-	____ Rubric ___ Checklist ____ Unit Test ____ Group ____ Student Self-Assessment _____Performance Assessment ____ Other (explain)

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DAILY PLAN

Day DT	Objective (s)	DOK	Activities / Teaching Strategies	Grouping	Materials / Resources	Assessment of Objective (s)
M 1	Level I – Task 808 809,812,814, Learning objectives: Identify the digital readout and usage on the milling machine Level II & III Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Students will define cutting speed and perform speed and feed calculations for milling project DWG # 3.2 revised print added tapped hole and reamed hole. Demonstration of digital readout absolute and incremental coordinate system. Students will continue with Nims projects by levels.		PMT handbook Section 6 Unit 1 Milling machine safety Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self – Assessment-
T 2	Level I – Task 808,809,812,814, Learning objectives: Identify the digital readout and usage on the milling machine Level II & III Nims Benchwork, Nims Drill Press, Nims Miliing, Nims Turning between centers		Students will demonstrate conventional and climb milling for project DWG # 3.2 revised print bringing project to length as per print. Additional tapping procedures and reaming procedures. Students will continue with Nims projects by levels.		PMT handbook Unit 6 Section 1 Milling machine components Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-
W 3	Level I & Manuf. – Task ,808,809,812,814, Learning objectives: Explain the function of the edge finder and demonstrate finding the edge of the work piece. Nims Benchwork, Nims Drill Press, Nims Milling, and Nims Turning between centers.		Students will explain the function of the edge finder to locate the point reference zero of DWG # 3.2 revised print Additional tapped hole and reamed hole operations. Students will continue Nims projects by levels.		PMT handbook Unit 6 Section 1 Vertical milling machine component functions. Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-

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T H 4	**Level 1. - Continue with task 808, 809,812,814** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.**		**Students will continue with the print DWG # 3.2calculating location for drilled holes as per print. Procedures for additional tapped hole and reamed hole.** Students will continue with Nims projects by level.		**PMT handbook Section 1** **Unit 6** **Vertical milling machine** **Edge finder** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**
F 5	**Level I – Continue with task 809** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turninig between centers.**		**Students will continue with print DWG # 3.2 locating holes as per print calculating proper speeds and feeds. Additional procedures for tapped hole and reamed hole.** **Students will continue with Nims projects by level.**		**Vertical Milling Machine Test** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**