Teacher Name : Joseph Chicalese **Subject :Precision Machine** **Start Date(s): 1/27-31** **Grade Level (s): I II III**
Building:

HAZLETON AREA SCHOOL DISTRICT

DISTRICT UNIT/LESSON PLAN

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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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Unit Plan

DAILY PLAN

Day DT	Objective (s)	DOK	Activities / Teaching Strategies	Grouping	Materials / Resources	Assessment of Objective (s)
M 1	Level I – Learning objectives: Identify the parts of a thread and define thread terminology Task 1204 Level II & III Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Students will identify the parts of a thread and define thread terminology. Students will continue Nims projects by levels.		PMT handbook Unit 4 Section 5 Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self – Assessment-
T 2	Level I – Learning objectives: Identify and describe the class fits for external and internal threads. Task 1204 Level II & III Nims Benchwork, Nims Drill Press, Nims Miliing, Nims Turning between centers		Students will identify the class fits of internal and external thread forms. Students will continue with Nims projects by levels.		PMT handbook Unit 4 Section 5 Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-
W 3	Level I Learning objectives: Describe the difference between left handed thread and right handed thread, single thread and double thread		Students will identify right handed and left handed threads along with single and doublethreads.			Formative- Summative-

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	Level II & III **Nims Projects**		**Students will continue with NIMS projects.**			**Student Self - Assessment-**
T **H** **4**	**Level I & Manuf. Tech. - Learning Objectives: Accurately locate thread reference data from the machinist handbook and perform calculations for thread cutting.** **Task 1204** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers**		**Students will locate thread reference data from the machinist handbook and perform calculations for thread cutting.** Students will continue with Nims projects by level.		**PMT handbook Section 5** **Unit 4** **Engine lathe, tooling and material** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**
F **5**	**Level I & Manuf. Tech – Learning objectives: Perform the proper set up of a work piece and cutting tool insert for thread cutting along with the safety procedures.** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turninig between centers.**		**Hand on demonstration for the proper set up of the lathe for manual machine thread cutting and safety procedures.** **Students will then demonstrate the procedure for a thread cutting operation on the lathe.** **Students will continue with Nims projects by level.**		**Engine lathe, tooling and material** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**