Teacher Name : Joseph Chicalese **Subject :Precision Machine** **Start Date(s): 12/3-7 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 & Manuf. Tech – Learning objectives: tasks 705,706,707 Level II & III Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Students will demonstrate proper set and calculations needed to machine a taper. Final set will be for hammer handle.		PMT handbook Unit 4 Section 5 Engine lathe and necessary toolong.	Formative- Summative- Student Self – Assessment-
T 2	Level I & Manuf. Tech – Learning objective: Continue with taper turning task #705,706,707. Level II & III Nims Benchwork, Nims Drill Press, Nims Miliing, Nims Turning between centers		Students will continue with taper turning using the compound rest for machining a taper on the hammer project. Students will continue with Nims projects by levels.		PMT handbook Unit 4 Section 5 Engine lathe and necessary tooling. Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-
W 3	Level I & Manuf. Tech – Taper turning task #707		Students will continue to demonstrate the proper methods of taper turning using the compound rest method. Students will continue Nims projects by levels.		PMT handbook Unit 4 Section 5 Engine lathe and necessary tooling.	Formative- Summative-

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	Nims Benchwork, Nims Drill Press, Nims Milling, and Nims Turning between centers.				**Nims blueprints and necessary tooling and machinery.**	**Student Self - Assessment-**
T H 4	**Level I & Manuf. Tech. - Taper turning task #707** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.**		**Students will continue to demonstrate the methods of taper turning.** Students will continue with Nims projects by level.		**PMT handbook Section 5** **Unit 4** **Engine lathe, tooling and material**	**Formative-** **Summative-** **Student Self - Assessment-**
F 5	**Level I & Manuf. Tech – Taper turning task 707** **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 taper turning using a taper attachment.** **Students will demonstrate the proper set up of the taper attachment on the lathe.** **Students will set lathe and machine a 13.5 degree taper for hammer handle.** **Students will continue with Nims projects by level.**		**Engine lathe with a taper attachment, tooling and material** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**