Teacher Name : Joseph Chicalese **Subject :Precision Machine** **Start Date(s): 11-14/18** **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 Level	Activities / Teaching Strategies	Grouping	Materials / Resources	Assessment of Objective (s)
M 1	Level I & Manuf. Tech – Learning objectives: Taper turning. Level II & III Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Students will define a taper, and demonstrate understanding of a taper specifications. Students will continue Nims projects by levels.		PMT handbook Unit 4 Taper turning Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self – Assessment-
T 2	Level I & Manuf. Tech – Learning objectives: Perform Taper calculations. Level II & III Nims Benchwork, Nims Drill Press, Nims Miliing, Nims Turning between centers		Students will demonstrate the understanding of calculating taper dimensions and angular dimensions. Students will continue with Nims projects by levels.		PMT handbook Unit 4 Taper turning Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-
W 3	Level I & Manufg. Tech. – Learning objectives: Methods of turning tapers and their benefits and drawbacks. Level II & III Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Students will describe and explain the different methods of turning tapers and the benefits and drawbacks. Students will continue with Nims projects by levels.		PMT handbook Unit 4 Taper turning. Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-

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T H 4	**Level I & Manuf. Tech. - Learning Objectives: Demonstrate understanding of set up procedures for taper turning methods.** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers**		**Students will set up the engine lathe to perform taper turning as per print.** Students will continue with Nims projects by level.		**PMT handbook Section 5** **Unit 4** **Engine lathe, tooling and material, print** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**
F 5	**Level I & Manuf. Tech – Learning objectives: Continue with taper turning.** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turninig between centers.**		**Students will continue with lathe set up and procedures for taper turning as per print.** **Students will continue with Nims projects by level.**		**Engine lathe, tooling and material, print** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**