Teacher Name : Joseph Chicalese **Subject :Precision Machine** **Start Date(s): 9/16-20 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 & Manuf. Tech – Describe and explain the purpose of a facing operation. Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Demonstration on the lathe, setting up the lathe for the proper speeds and feeds for a facing operation. Students will then demonstrate their understanding and set up procedures on the lathe. Students will continue Nims projects by levels.		Engine lathe and tooling Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self – Assessment-
T 2	Level I & Manuf. Tech – Describe and explain turning operations on the lathe. Nims Benchwork, Nims Drill Press, Nims Miliing, Nims Turning between centers		Demonstration on the lathe, set up on the lathe for a turning operation. Safety, speeds and feeds. Students will demonstrate the proper procedures and set up for a turning operation on the lathe. Students will continue with Nims projects by levels.		Engine lathe, tooling and material Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-
W 3	Level I & Manuf. Tech – Describe and explain shouldering operations on the lathe. Level II & III Nims layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between Centers.		Demonstration on the lathe continues with a shouldering operation. Students will demonstrate the proper procedures and set up for a shouldering operation the the lathe. Students will continue with Nims projects by levels.		Engine lathe, tooling and material Nims blueprints and necessary tooling and machinery.	Formative- Summative- Student Self - Assessment-

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T H 4	**Level I & Manuf. Tech. - Continue with machining operations on the lathe, facing, turning, and turning to a shoulder.** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers**		**Students will demonstrate hands on procedures for facing, turning and turning to a shoulder on the lathe along with all the safety rules that apply.** Students will continue with Nims projects by level.		**PMT handbook Section 5 Unit 2** **Engine lathe, tooling and material** **Nims blueprints and necessary tooling and machinery.**	**Formative-** **Summative-** **Student Self - Assessment-**
F 5	**Level I & Manuf. Tech. – Continue with machining operations on the lathe, facing turning, turning to a shoulder.** **Level II & III** **Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turninig between centers.**		**Students will demonstrate hands on the proper procedures and safety for facing, turning, turning to a shoulder on a 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-**