

Teacher Name : Joseph Chicales  
Building:

Subject : Precision Machine

Start Date(s): 2/5-9

Grade Level (s): I II III

# 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-	<input type="checkbox"/> Rubric <input type="checkbox"/> Checklist <input type="checkbox"/> Unit Test <input type="checkbox"/> Group <input type="checkbox"/> Student Self-Assessment <input type="checkbox"/> Performance Assessment  <input type="checkbox"/> 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 704,705,706,713, 714  Level II & III Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Turning operations for Boring Project. Introduction into lathe boring.  CNC G&M codes and handout worksheets Also canned drilling cycles  Students will continue with Nims projects by levels.		Nims blueprints and necessary tooling and machinery.	Formative-  Summative-  Student Self – Assessment-
T 2	Level I – Task 704,705,706,713,714  Level II & III Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers		Turning operations for Boring Project. Introduction into speeds and feeds for boring.  CNC G&M codes – handout worksheets Canned Drilling Cycles  Students will continue with Nims projects by levels.		Vertical Milling machine All necessary tooling  Nims blueprints and necessary tooling and machinery.	Formative-  Summative-  Student Self - Assessment-
W 3	Level I – Task 704,705,706,713,714  Nims Benchwork, Nims Drill Press, Nims Milling, and Nims Turning between centers.		Turning operations for Boring Project. Machine set up procedures for Boring, tool set up proper speeds and feed rates.  Canned Drilling Cycles for CNC  CNC G&M codes  Students will continue Nims projects by levels.		PMT handbook Unit 6 Section 1 Vertical milling machine All necessary tooling  Nims blueprints and necessary tooling and machinery.	Formative-  Summative-  Student Self - Assessment-
T H 4	Level I – Task 704,705,706, 711,713,714 Level II & III Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turning between centers.		Turning operations for Boring Project. Measuring instruments used to measure internal bores.  Canned Drilling Cycles for CNC machining  CNC G&M codes		PMT handbook Section 1 Unit 6 Vertical milling machine All necessary tooling  Nims blueprints and necessary tooling and machinery.	Formative-  Summative-  Student Self - Assessment-

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			Students will continue with Nims projects by level.			
F 5	Level I – Task 704,705,706,711,713,714  Level II & III Nims Layout, Nims Benchwork, Nims Drill Press, Nims Milling, Nims Turninig between centers.		Turning operations for Boring Project. Issue Boring Print for new Project. Students will machine part to print specifications.  CNC G&M codes Canned Cycles for CNC Drilling operations.  Students will continue with Nims projects by level.		PMT handbook Section 1 Unit 6 Milling machine and related tooling, edge finder, work piece and print.  Nims blueprints and necessary tooling and machinery.	Formative-  Summative-  Student Self - Assessment-