



MANUFACTURING CLUSTER

LESSON 6

Lesson Plan Title: Block Blue Print Measurement		Instructor:
Suggested Total Time for Lesson (minutes): 45-65 minutes (1-2 days)		
Content Focus - What Will Students Learn? (Content Skill Sets)		
0972.MA.1864.2 Read and Interpret Blueprints and Sketches 0972.MA.1873.12 Interpret Various Lines 0972.MA.1903.6 Identify, Select, and Calibrate Precision and Semi-Precision Measuring Tools 0972.MA.1903.11 Interpret Blueprints including geometric dimensioning and tolerancing (GD&T) symbols		
Materials and Resources- What do you need to assemble and prepare before the lesson?		
Materials: <ul style="list-style-type: none"> • Lego Blue Prints Activity • Various Measuring Tools • Assortment of Legos 		Resources: <ul style="list-style-type: none"> • https://www.stefanelli.eng.br/en/simulator-virtual-dial-caliper-thousandth-inch/
Lesson Outline: What learning activities will your students do?		
Time	Sequence/Description of Learning Activity	
10-15 minutes	Get Started/Explain: Introduced to Measurements	
30-35 minutes	Discover/Engage/Practice: <ul style="list-style-type: none"> • Students will form groups or teacher may assign groups of 3-4 • Students will Complete Activity Lego Blue Prints 	
10-15 minutes	Check for Understanding/Summarize/Close: Students will explain their procedure for measuring and the instrument that they chose to measure with.	
Modifications, Support, and Extensions (for those students with IEP)		
Reflection- Did the students learn the content outlined in the lesson focus? Why or why not?		