



MANUFACTURING CLUSTER

LESSON 1

Lesson Plan Title: The History of Manufacturing		Instructor:
Suggested Total Time for Lesson (minutes): 45-90 minutes (1-2 days)		
Content Focus - What Will Students Learn? (Content Skill Sets)		
0972.MA.1863.1 Demonstrate a knowledge of Manufacturing Technologies		
Materials and Resources- What do you need to assemble and prepare before the lesson?		
Materials: <ul style="list-style-type: none"> History of Manufacturing PPT Paper/Pencil/Pen 		Resources: <ul style="list-style-type: none"> A&E Television Networks. (2009, November 13). Kiichiro Toyoda, founder of the Toyota Motor Corporation, dies. History.com. Retrieved March 1, 2022, from https://www.history.com/this-day-in-history/toyota-founder-dies Our history. Ford Corporate. (n.d.). Retrieved March 1, 2022, from https://corporate.ford.com/about/history.html SME. (n.d.). Retrieved March 1, 2022, from https://www.sme.org/
Lesson Outline: What learning activities will your students do?		
Time	Sequence/Description of Learning Activity	
10-15 minutes	Get Started/Explain: Students will be introduced to a brief history of manufacturing	
30-35 minutes	Discover/Engage/Practice: Students will form groups or teacher may assign groups of 3-4 Students will work within these design teams to research topics in manufacturing as they relate to one of the following: <ul style="list-style-type: none"> FMS CAD CAM ASRS AGV PLC CNC Robotics Automation 	
10-15 minutes	Check for Understanding/Summarize/Close: <ul style="list-style-type: none"> Students will understand why artisan made products are likely not parts within your engines Students will understand Kiazen Students will be able to describe the economic and societal impacts as a result of advancements in Manufacturing. 	
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?		