

School District of Loyal

Manufacturing/Welding

Grade: 9-12

Student Learning Targets



Class: Manufacturing/Welding

Students who demonstrate understanding can:

WI State Standards	Standard:	Student Learning Targets:
AC1.c:	Demonstrate the safe and appropriate use of hand tools common to the manufacturing industry.	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Demonstrate the safe and proper use of hand tools • Maintain and care for hand tools used in the construction industry • Identify hand tools by its proper name
AC1.s:	Demonstrate the safe and appropriate use of portable tools that are common to the manufacturing industry and are appropriate to the individual student's level	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Demonstrate the use of portable power tools such as band saws, grinders, hydraulic power and welders
AC1.f	Demonstrate the value and necessity of practicing occupational safety in the manufacturing industry	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Demonstrate OSHA 10 requirements • Apply OSHA 10 safety standards
MNF1.g	Demonstrate the ability to choose proper welding supplies given the process	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Analyze and use GMAW, GTAW, SMAW and oxy-acetylene welding • Identify different types of welding machines and equipment • Demonstrate appropriate use of welding blueprint symbols and codes used in the manufacturing industry
MNF1.h	Analyze and use metal manufacturing cutting operations	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Demonstrate the proper use and proper way to set-up and close down oxy-acetylene equipment and check for leaks • Demonstrate the proper safety and use of plasma cutting equipment • Compare the pros and cons with plasma cutting and oxy-acetylene cutting operations