

<b>Metalworking 3yr</b>	
<b>Items</b>	<b>Standard</b>
	<b>1) Content Standard 1.0 - Identify Lab Organization and Safety Procedures</b>
13	1) Performance Standard 1.1 : Demonstrate General Lab Safety Rules and Procedures
6	2) Performance Standard 1.2 : Identify and Utilize Hand Tools
7	3) Performance Standard 1.3 : Identify and Utilize Power Tools and Equipment
	<b>2) Content Standard 2.0 - Apply Fundamental Print Reading, Measurement, and Layout / Fit-up Techniques</b>
2	1) Performance Standard 2.1 : Demonstrate Print Reading and Sketching Practices
3	2) Performance Standard 2.2 : Demonstrate Measuring and Scaling Techniques
5	3) Performance Standard 2.3 : Utilize Layout Principles and Practices
1	4) Performance Standard 2.4 : Demonstrate Preparation and Fit-up Practices
	<b>3) Content Standard 3.0 - Identify Properties of Metals</b>
4	1) Performance Standard 3.1: Identify Material Properties and Science
4	2) Performance Standard 3.2: Identify Filler Metals
	<b>4) Content Standard 4.0 - Apply Welding Techniques</b>
4	3) Performance Standard 4.3 : Produce Welds Using Shielded Metal Arc Welding (SMAW) on Carbon Steel
5	4) Performance Standard 4.4 : Produce Welds Using Gas Metal Arc Welding Short Circuiting Transfer (GMAW-S) on Carbon Steel
7	5) Performance Standard 4.5 : Produce Welds Using Flux Core Arc Welding Short Circuiting Transfer (FCAW-G) on Carbon Steel
3	6) Performance Standard 4.6 : Produce Welds Using Gas Tungsten Arc Welding (GTAW) on Carbon Steel
	<b>5) Content Standard 5.0 - Apply Thermal Cutting Processes</b>
8	1) Performance Standard 5.1 : Demonstrate Oxy-fuel Gas Cutting (OFC)
6	2) Performance Standard 5.2 : Demonstrate Plasma Arc Cutting (PAC) on Carbon Steel and Aluminum
	<b>7) Content Standard 7.0 - Apply Fabrication Fundamentals</b>
2	4) Performance Standard 7.4 : Identify Threads and Fasteners
	<b>8) Content Standard 8.0 - Apply Sheet Metal Techniques</b>
3	1) Performance Standard 8.1: Utilize Sheet Metal Layout Principles and Practices
2	2) Performance Standard 8.2 : Demonstrate Fastening Techniques
2	3) Performance Standard 8.3: Utilize Forming and Cutting Techniques
	<b>9) Content Standard 9.0 - Apply Machining Techniques</b>
2	1) Performance Standard 9.1: Demonstrate Fundamentals of Machining
5	2) Performance Standard 9.2 : Utilize Metalworking Machines
6	3) Performance Standard 9.3: Utilize Drilling Machines
<b>100</b>	<b>Total Correlations</b>