

**Metalworking (2 year sequence)**

	<b>2) CONTENT STANDARD 2.0: IDENTIFY LAB ORGANIZATION AND SAFETY PROCEDURES</b>
15	1) Performance Standard 2.1: Demonstrate General Lab Safety Rules and Procedures
8	2) Performance Standard 2.2: Identify and Utilize Hand Tools
8	3) Performance Standard 2.3: Identify and Utilize Power Tools and Equipment
	<b>3) CONTENT STANDARD 3.0: APPLY FUNDAMENTAL PRINT READING, MEASUREMENT, AND LAYOUT/FIT-UP TECHNIQUES</b>
4	1) Performance Standard 3.1: Demonstrate Print Reading and Sketching Practices
9	2) Performance Standard 3.2: Demonstrate Measuring and Scaling Techniques
5	3) Performance Standard 3.3: Utilize Layout Principles and Practices
	<b>4) CONTENT STANDARD 4.0: IDENTIFY PROPERTIES OF METALS</b>
4	2) Performance Standard 4.2: Identify Filler Metal
	<b>5) CONTENT STANDARD 5.0: APPLY WELDING TECHNIQUES</b>
4	3) Performance Standard 5.3: Produce Welds Using Shielded Metal Arc Welding (SMAW) on Carbon Steel
4	4) Performance Standard 5.4: Produce Welds Using Gas Metal Arc Welding Short Circuiting Transfer (GMAW-S) on Carbon Steel
8	<b>6) CONTENT STANDARD 6.0: APPLY THERMAL CUTTING PROCESSES</b>
	1) Performance Standard 6.1: Demonstrate Oxy-Fuel Gas Cutting (OFC)
	<b>8) CONTENT STANDARD 8.0: APPLY FABRICATION FUNDAMENTALS</b>
3	1) Performance Standard 8.1: Utilize Base Metal Preparation Fundamentals
1	3) Performance Standard 8.3: Demonstrate Fabrication Techniques
6	4) Performance Standard 8.4: Identify Threads and Fasteners
2	5) Performance Standard 8.5: Utilize Metal Forming Processes
	<b>9) CONTENT STANDARD 9.0: APPLY SHEET METAL TECHNIQUES</b>
3	1) Performance Standard 9.1: Utilize Sheet Metal Layout Principles and Practices
1	2) Performance Standard 9.2: Demonstrate Fastening Techniques
2	3) Performance Standard 9.3: Utilize Forming and Cutting Techniques
	<b>10) CONTENT STANDARD 10.0: APPLY MACHINING TECHNIQUES</b>
2	1) Performance Standard 10.1: Demonstrate Fundamentals of Machining
5	2) Performance Standard 10.2: Utilize Metalworking Machines
6	3) Performance Standard 10.3: Utilize Drilling Machines
100	<b>Total Correlation</b>