

Scope & Sequence	Lesson Title	TEKS	Days of Teaching
1	Welding Shop Safety	1.D.ii; 1.E.ii; 1.E.iii; 1.E.iv; 1.F.i; 1.F.ii; 1.G.i; 1.G.ii; 1.G.iii; 1.H.i; 1.H.ii; 1.H.iii; 1.H.iv; 1.H.v; 2.F.i; 2.F.ii; 4.A.i; 4.B.i; 4.B.ii; 4.C.i; 4.D.i; 4.E.i; 4.E.ii; 7.B.i	8
2	Personal & Occupational Health & Safety	1.D.ii; 2.F.i; 2.F.ii	11
3	Project Management Skills	2.B.i; 3.C.i	13
4	Welding Blueprints & Symbols	5.A.i; 5.A.ii; 5.A.iii; 5.B.i; 5.B.ii; 5.C.ii; 5.C.iii; 5.C.iv; 5.D.i; 5.E.i; 5.F.i; 5.G.i	7
5	Mathematics in Welding	3.B.i; 3.G.i; 3.G.ii; 3.G.iii; 3.G.iv; 3.H.i; 3.I.i; 3.K.i; 3.K.ii; 3.L.i	10
6	Measurement in Construction	3.B.i; 3.D.i; 3.E.i; 3.F.i; 3.J.i	10
7	Introduction to Metals	7.E.i	7
8	Welding Inspection & Testing	6.A.i; 6.B.i	7
9	Shielded Metal Arc Welding: Preparation & Safety	4.A.i; 5.E.i; 5.G.i; 9.A.i; 9.B.i; 9.C.i; 9.D.i; 9.E.i; 9.F.i	7
10	Shielded Metal Arc Welding: 7018 Electrodes	9.G.i	7
11	Shielded Metal Arc Welding: 6010 Electrodes	9.G.i	7
12	Performing the SMAW 2G, 3G, & 4G Weld Test	9.G.i	5
13	Performing the SMAW 5G Weld Test	9.G.i	5
14	Performing the SMAW 6G Weld	9.G.i	5
15	Shielded Metal Arc Welding: AWS EDU-6 Entry Level Welder Qualification Test	N/A	8
16	Oxy-Acetylene Welding: Safety & Introduction	4.A.i	3
17	Oxy-Fuel Set-Up & Safety	7.A.i; 7.B.i; 7.D.i; 7.F.i	4
18	Oxy-Fuel Cutting	7.A.i; 7.B.i; 7.C.i; 7.D.i; 7.E.i; 7.F.i; 7.G.i; 7.H.i	6
19	Plasma Arc Cutting	8.A.i; 8.B.i; 8.C.i; 8.D.i; 8.E.i; 8.F.i; 8.G.i	6
20	Gas Metal Arc Welding: Equipment, Set-Up & Maintenance	10.A.i; 10.C.i; 10.D.i	5
21	Gas Metal Arc Welding: Sheet Metal	10.B.i; 10.B.ii; 10.B.iii; 10.B.iv; 10.G.i; 10.G.ii	8
22	Gas Metal Arc Welding: Carbon Steel	10.B.iii; 10.B.iv; 10.E.i; 10.F.i; 10.G.i; 10.G.ii	10
23	Gas Metal Arc Welding: Aluminum	10.B.iii; 10.B.iv; 10.G.i; 10.G.ii	8
24	Gas Metal Arc Welding: Stainless Steel	10.B.iii; 10.B.iv; 10.G.i; 10.G.ii	8
25	Flux Cored Arc Welding	11.A.i; 11.B.i; 11.B.ii; 11.B.iii; 11.C.i; 11.D.i; 11.E.i; 11.F.i; 11.G.i; 11.G.ii	7
26	Gas Tungsten Arc Welding: Equipment & Set-Up	12.A.i; 12.B.i; 12.C.i; 12.C.ii; 12.D.i	4
27	Gas Tungsten Arc Welding: Aluminum	12.B.i; 12.E.i; 12.E.ii; 12.F.i	5
28	Gas Tungsten Arc Welding: Carbon Steel	12.E.i; 12.E.ii; 12.F.i	7
29	Gas Tungsten Arc Welding: Stainless Steel	12.E.i; 12.E.ii; 12.F.i	7
30	Gas Tungsten Arc Welding: Pipe	12.E.i; 12.E.ii; 12.F.i	8
31	Skills for Real World Survival	1.C.i; 1.C.ii; 1.D.i	13
32	Jobs, Careers & Education	1.I.iii; 2.D.i	10
33	Introduction to Professional Communication	1.A.i; 1.A.ii; 1.B.i; 2.E.i	5
34	Written Communication Practices	1.A.i; 1.B.i	15
35	Employability Skills	1.C.i; 1.C.ii; 1.D.i; 1.E.i; 1.F.i; 1.F.ii; 1.G.i; 1.G.ii; 1.G.iii; 1.I.i; 1.I.ii; 2.C.i; 2.E.i	5
36	Graduate Tips & Advice: Importance of Work Ethic	1.C.i; 1.C.ii	2

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37	Management of Energy, Money & Tasks	1.I.i; 1.I.ii	6
38	Formulas for Career Success: Higher Learning	2.A.i; 2.A.ii	7
39	Virtual Job Descriptions for Welding	N/A	1
40	Workplace Issues	1.D.ii; 1.E.ii; 1.E.iii; 1.E.iv; 1.H.i; 1.H.iii; 1.H.iv; 1.H.v; 2.F.i; 2.F.ii; 4.E.i; 4.E.ii	4
41	Multicultural Workplace	3.A.i	4
42	Business Ethics	1.E.i	3
43	Ethics in Business	1.E.i	6
44	Customer Satisfaction	2.B.i	4