

## ► Welding Curriculum Overview

Experiential Learning Tool	guideWELD® VR			guideWELD® LIVE			RealCareer™ Weld Defects Kit	RealCareer™ Bend Tester	RealCareer® Welding Career Exploration
Length	20- to 30-hour curriculum			20- to 30-hour curriculum			Up to 10-hour curriculum	Up to 15-hour curriculum	Up to 14-hour curriculum
Focus	Welding Careers, Types of Welding and Welding Safety	Welding Equipment, Basics and Defects	Introduction to Welding Simulation	Welding Careers, Types of Welding and Welding Safety	Welding Defects and Correction	Welding Testing and Welding Procedure Specifications	Welding Defects	Bend Test Qualification	Welding Related Careers
Units	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Unit 1	Unit 1	Unit 1
Lessons	6	6	1	6	6	4	5	8	6
Presentation Slides	147	168		137	96	79	145	167	
Lesson Topics	Welding Career Opportunities	Welding Equipment (2 Part Lesson)	Intro to Welding Simulation	Welding Career Opportunities	Basics to Quality Welds	Weld Testing	Welding Safety - PPE	Welding Safety - PPE	Careers in Manufacturing and Production Welding
	Types of Welding	Weld Defects		Types of Welding	Identifying Defects	Reading a WPS	Types of Welding	Parts of a WPS	Career Opportunities in Welding Fabrication
	Welding Safety - PPE	Welding Basics (2 Part Lesson)		Welding Safety - PPE	Multiple Causes of Defects	Testing and WPS Activity	Welding Basics and Techniques	Reading a WPS	A Day in the Life of a Welding Engineer
	Welding Safety Focus (2 Part Lesson)	Welding Basics Assessment		Welding Safety Focus (2 Part Lesson)	Defects Assessment	Weld Testing and WPS Assessment	Welding Defects	Nondestructive and Destructive Testing	Exploring a Career in Welding Quality Assurance or as a Certified Welding Inspector (CWI)
	Safety Review, Assessment, Certification			Safety Review, Assessment, Certification			Weld Testing	Prepare to Weld for a Bend Test Qualification	Looking into a Career as a Pipe Welder
							Welding Review and Assessment	Welding a Qualification Test	Exploration of Other Welding Related Careers
								Preparing to Bend and Examining a Bend for Qualification	
								Welding Career Opportunities	



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