



WELDING IMPLEMENTATION

Realityworks' RealCareer™ Welding Solutions feature powerful and cost-effective welding education tools to help train welders more efficiently and engage students in welding career exploration.



Common Welding Joints Kit

Learn the correct joint welding

Classroom curriculum

- Focus: Joint types, proper welding techniques and how to prevent welding issues
- Lessons: 2 • Teaching hours: 1-2 • Presentation slides: 76

How to set up the classroom

- Kit case can be used to display joints or joints can be passed around
- Study with scenario cards



NOTICE: Monitor & computer not included
Shown: Stick welding simulation process



guideWELD® VR welding simulator

Work on welding technique with repeated practice

Classroom curriculum

- Focus: Introduction to welding safety, equipment, proper welding techniques and careers
- Lessons: 13 • Teaching hours: 20-30 • Presentation slides: 292

How to set up the classroom

- Weld shops are not an ideal environment for computers; the perfect environment is a classroom with tables and computers
- Computer choices: laptop with or without an additional monitor, computer with monitor or all-in-one with touchscreen



NOTICE: Welding gloves not included



guideWELD® LIVE real welding guidance system

Do the real thing and weld with guidance

Classroom curriculum

- Focus: Introduction to weld correction techniques, welding procedure specifications and weld testing
- Lessons: 16 • Teaching hours: 20-30 • Presentation slides: 318

How to set up the classroom

- guideWELD LIVE is intended for use in a welding booth with MIG or Stick welding machines
- Helmet and speed bar are battery-powered; no electricity is needed for system



RealCareer™ Weld Defects Classroom Kit

Learn the defects and how to correct them

Classroom curriculum

- Focus: Identifying and correcting common weld defects and discontinuities
- Lessons: 5 • Teaching hours: 10 • Presentation slides: 151

How to set up the classroom

- Kit case can be used to display defects or defects can be passed around
- Hang posters on walls of classroom or welding lab and study with scenario cards



RealCareer™ Bend Tester

Test the quality of your welds

Classroom curriculum

- Focus: Destructive testing; preparing, bending and qualifying welds
- Lessons: 8 • Teaching hours: 15 • Presentation slides: 167

How to set up the classroom

- Kit case can be used to display defects or defects can be passed around
- Study with scenario cards

Take the step
to create your 21st
Century Classroom

Semester Implementation Guide

Topic	Minimum - Maximum Weeks	Lessons	Includes	Welding Education Tool
Welding Careers, Types of Welding and Welding Safety	2 - 4	6	Safety Exam and welding basics exam	-
Welding Equipment and Basics	3 - 6	6	Welding Basics Assessment	Common Welding Joints Kit
Stick Welding	3 - 6	1	Simulation and Live welding experience	guideWELD VR & guideWELD LIVE
MIG Welding	3 - 6	1	Simulation and Live welding experience	guideWELD VR & guideWELD LIVE
Visual Inspection*	1 - 3	5	Welding Defects Assessment	Weld Defects Kit & Common Welding Joints Kit
Destructive Bend Testing*	1 - 3	8	Welding Qualification Test	Bend Tester

*These lessons can be incorporated throughout welding basics and Stick and MIG welding lessons