Innovative learning tools for skills training
A note from our President and CEO

Since Realityworks, Inc., was established over two decades ago, we have made it our mission to bring comprehensive, life-changing programs to the classroom. Our award-winning products engage students in career exploration and provide realistic learning experiences. These experiences help students develop relevant, industry-specific job skills. They also help instructors address classroom management and safety concerns. Our employees have led the conception, development and creation of our products, which are 100% owned by our company.

For more information on Realityworks, visit: www.realityworks.com.

- Timm Boettcher, President & CEO

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“We have at least three companies in the area that constantly need welders, and we want to keep these kids in the community. We have become a better education center with this technology and these efforts in our facilities.”

- Josh Nelson, CTE Director and Agriculture Education Teacher

Product Training

Meet your instructional needs and learn ways to maximize your program’s effectiveness with professional development training.

Each personalized session covers:
• Hands-on practice using Realityworks’ welding solutions
• Operating training tools and interpreting assessment results
• Best practices for participants

$499 2.5-Hour Webinar Training – 51080250
$3,459 On-Site Live Training – 51080600

Learn more online: www.realityworks.com/realcareertraining
The 21st Century Welding Classroom

Realityworks’ Welding Solutions feature several powerful and cost-effective welding education tools to help train students more efficiently and engage students in welding career exploration.

Classroom Management
Portable Workstations - Large & Small (see page 7)

Destructive Weld Testing
RealCareer™ Bend Tester (see page 6)

Welding Simulation Lab
guideWELD® VR welding simulators (see pages 2-3)

Live Welding Booths
guideWELD® LIVE real welding guidance system (see pages 4-5)

Visual Weld Inspection
RealCareer™ Weld Defects Kit (see page 6)

Soft Skills
RealCareer™ Employability Skills Program (see page 8)
Curriculum Spotlight:
guideWELD® VR
- Lesson topics:
  1. Welding Career Opportunities
  2. Types of Welding
  3. Welding Safety – PPE
  4. Welding Equipment
  5. Weld Defects
- Teaching hours: 30
- Presentation slides and student activities
- Aligns to: Common Core State Standards, Common Career Technical Core Standards

“We found that the simulators really push the students. By the time they get done with them, they’re ready for the real thing and they jump right in.”
- Dan Leinen, Agriculture Instructor
guideWELD® VR welding simulator

Enable users to refine basic welding skills, learn proper welding techniques and explore welding career paths while saving on costly consumables.

Features:
- Immediate feedback on work angle, travel angle, speed, nozzle-to-plate distance and straightness
- Recorded weld assessments
- MIG and/or Stick welding processes
- 27 default Welding Procedure Specifications (WPS’s) and option for custom WPS creation
- 3 difficulty levels: Novice, Intermediate and Advanced
- Easy installation on Windows and MAC operating systems

Package includes:
- Online access to: curriculum, teacher guide, installation guide and student guide
- 1 guideWELD® VR workstation with choice of 1 interchangeable MIG or Stick welding simulator gun
- 3 welding joints: tee, lap and butt
- 1 pair of welding gloves
- 1-year limited warranty

$4,999 guideWELD VR (1 welding gun option) – 56010101
$6,499 guideWELD VR (Stick and MIG welding gun option)

Software specifications:
For complete hardware and software specifications, visit:
www.realityworks.com/guideweldvr-systemrequirements

NOTICE: Monitor not included

Stick and MIG options

Stick welding simulation software

Option to add additional MIG or Stick welding gun

Student weld assessment report screen
Teacher’s weld creation screen
Curriculum Spotlight:
guideWELD® LIVE

• Lesson topics:
  1. Welding Career Opportunities
  2. Types of Welding
  3. Welding Safety – PPE
  4. Safety Review Assessment, Certification
  5. Basics to Quality Welds
  6. Identifying and Assessing Defects
  7. Weld Testing
  8. Reading a WPS
  9. Weld Testing and WPS Assessment

• Teaching hours: 30
• Presentation slides and student activities
• Aligns to: Common Career Technical Core Standards

"After using guideWELD LIVE, students were providing me with feedback first, which was great – in a real-world situation, your boss is going to ask you why it’s this way or that way, so this tool helps in that sense, too."

- George Karr, Welding Instructor / IT Administrator
guideWELD® LIVE
real welding guidance system

Transition users from the classroom to the welding booth by providing corrective in-helmet training during live welding on the core techniques needed to weld effectively.

Features:
• A peripheral-view display inside the welding helmet during live MIG and Stick welding
• Real-time feedback on work angle, travel angle and travel speed during live welding
• 9 default Welding Procedure Specifications (WPS’s) and option for custom WPS creation
• Works with any MIG or Stick welder

Package includes:
• 1 auto-darkening welding helmet with in-helmet guides
• 1 speed sensor board with base for MIG and Stick welding
• 1 angle sensor
• 1 Stick calibration fixture
• Online access to curriculum
• 1-year limited warranty

$6,499  guideWELD LIVE – 55010901

This system is used during live welding! (Not a simulator)

NOTICE: Welding gloves not included

Live welding in-helmet guidance displays

Same corrective guidance icons as displayed in guideWELD® VR

Work angle, travel angle and speed guidance

Stick and MIG
Curriculum Spotlight: RealCareer™
Weld Defects Kit

Teach users how to identify, correct and prevent common weld defects.

Features:
- Portable, lightweight kit
- 13 plastic models: 12 weld defects and 1 quality weld
- Accompanying flash cards and curriculum show how to correct common weld defects by adjusting both machine and technique

Package includes:
- 1 quality weld and 12 weld defect models in case
- Welding defect definition insert
- Instructor guide
- 10 sets of flash cards
- 5 classroom posters
- Online access to curriculum
- 90-day limited warranty

Specifications:
- Case: 21” (53.3 cm) x 7” (2.75 cm) x 16” (40.6 cm)
- Coupons: 5” (12.7 cm) x 2.75” (7 cm)
- Weight: 9.5 lbs (4.3 kg)

$999 Weld Defects Kit Classroom Package – 52510200

$149 Additional Flash Cards (set of 10) – 52520010

Curriculum Spotlight: RealCareer™
Bend Tester

Help users learn how to qualify a bend-tested weld and understand qualification standards.

Features:
- Tabletop size for shop or off-site portability
- Manual hydraulic jack
- Auto-close safety cover with auto latch
- Bends 1/8” plates, 1/4” plates and 3/8” plates
- Conforms to AWS D1.1 bend test specifications

Package includes:
- Bend tester
- Plungers: 1/2”, 1” and 1 1/2”
- Jack handle
- 2 posters
- Instructor guide
- Online access to curriculum
- 1-year limited warranty

Specifications:
- Dimensions: 24.5” (62.2 cm) x 13.75” (35 cm) x 11” (28 cm)
- Weight: 93 lbs (42.1 kg)

$2,999 RealCareer Bend Tester – 53510100

NOTICE: Additional shipping surcharge - contact Realityworks
NEW - Portable Workstations

Multi-purpose, portable workstations with built-in storage. Use for demonstrations and additional organization in metals, automotive, agriculture and woodshop environments.

Features:
- Convenient storage includes locking cabinet drawers, welding gun holster and holding area for gas cylinder
- Durable wheels for easy maneuvering
- Tough, grated work surface, removable for easy cleaning
- Two sizes
- Large workstation features a detachable welding screen

$599  Small Portable Workstation – 51010101

$999  Large Portable Workstation – 51010201

NOTICE: Additional shipping surcharge - contact Realityworks

Small Portable
Workstation Specifications:
- Dimensions: 30” W x 29” D x 36” H

Large Portable
Workstation Specifications:
- Dimensions: 48” W x 24” D x 39” H
  (height with welding screen attached is 68”)
RealCareer™ Electrical Wiring Kit
Give users a safe, hands-on lesson on wiring common electrical circuits with instant assessment and corrective feedback.

Features:
• Portable, battery-operated kit
• Uses low-voltage DC power to assess AC wiring
• Features 16 student-led exercises for wiring outlet, light and switch circuits

Key classroom benefits:
• Save time on electrical assessments
• Low voltage electrical current creating a safe learning environment
• Teach basic wiring skills
• Provide opportunities for hands-on wiring practice
• Instantly diagnose wiring problems without disassembling outlets or creating sparks

Package includes:
• Wall Panel Demonstrator
• Electrical wiring components
• Electrical Wiring Assessment Kit
• 2 Breakout Boxes
• Student exercise workbook with 16 wiring activities
• Online access to curriculum
• 1-year limited warranty

$599 Electrical Wiring Kit – 57010101
$299 Additional Wall Unit and Components – 57010201

NOTICE: Additional shipping surcharge - contact Realityworks

RealCareer™ Employability Skills Program
Help your students develop the soft skills they need to succeed in college and career.

Users will:
• Practice using 20 soft skills in real-life situations
• Identify and discuss 20 soft skills
• Understand the importance of soft skills in various environments

Package includes:
• Curriculum/Teacher guide
• 20 student workbooks
• 19 Workplace Scenario Cards
• Presentation slides

$499 RealCareer Employability Skills Program – 11130945
$299 Student Workbook Packs (set of 20) – 11130946*

*Consumable replacement item

Curriculum Spotlight:
RealCareer Electrical Wiring Kit
• Lesson topics:
  1. Electrical Safety
  2. Electrical Principles
  3. Basic Wiring Skills
  4. Teaching hours: 13
  5. Presentation slides and student activities
  6. Wiring exercises: 16

Curriculum Spotlight:
Employability Skills
• Lesson topics:
  1. Communication
  2. Teamwork
  3. Problem Solving & Critical Thinking
  4. Using Technology
  5. Time Management
  6. Interviews
  7. Motivation
  8. Work Ethic
  9. Listening
  10. Respect
  11. Responsibility
  12. Flexibility
  13. Interpersonal Skills
  14. Negotiation
  15. Networking
  16. Patience
  17. Presentation Skills
  18. Self-Confidence
  19. Stress Management
• Teaching hours: 19-30
• Presentation slides, student activities, pre- and post-assessments
• Aligns to a variety of employability standards & assessments
NOW AVAILABLE

NEW - Pathway Packages to jump-start your program!

Starting or refreshing your Welding or Advanced Manufacturing courses? Our Manufacturing Package includes all the resources you need to jump-start your program, in one convenient bundle:

Our Manufacturing Package includes:

19 hands-on resources:*  
• 5 guideWELD VR welding simulators with MIG & Stick welding guns  
• 1 guideWELD LIVE real welding guidance system  
• 1 Weld Defects Kit  
• 1 Bend Tester  
• 2 Electrical Wiring Kits  
• 8 additional Electrical Wiring Kit Wall Panels  
• 1 Employability Skills Classroom Set  

Up to 80 hours of course content that addresses topics such as:  
• Career exploration  
• Employability skills  
• Electrical and welding safety  
• Welding basics and techniques  
• Welding defects  

Plus activities and assessment tools for each hands-on resource.  

$39,999  
Manufacturing Package – 50510101

*See previous catalog pages for more information on each of the above hands-on resources.

See more pathway packages at www.realityworks.com/pathwaypackages

“One thing we’re working very hard on is to ensure that our students walk away with a skill set that is specific and targeted and developed within the standards of a specific industry... Being able to utilize this type of equipment to establish students’ foundational skills saves us a great deal.”

- Margie Hartfiel, System Director, Career Education Associates of North Central

How to Order

Order supplies and software online at:  
www.realityworks.com

Orders can be emailed to:  
orders@realityworks.com

Call with credit card:  
855.351.8936

Fax orders to:  
715.830.2050

Mail purchase orders to:  
2709 Mondovi Road  
Eau Claire, WI 54701

All orders must be accompanied by a check, credit card number or purchase order. Returns may be subject to a restocking fee. Product availability and prices subject to change without notice.

*Surcharges apply to certain items and are not included in the above prices. Contact Realityworks®, Inc. for details.

HI + AK please contact us for shipping quote.

Contact Realityworks®, Inc. for accelerated or special shipping requirements.
Contact us for a customized quote to meet your program needs.

Our Account Managers are ready to connect with you!
Give us a call at 855.351.8936 or email information@realityworks.com