Innovative learning tools for skills training



Manufacturin Welding

Electrical Wiring



Career Exploration

Visit www.realityworks.com/product-category/trade-skills to view product and program details.



STEMAg Mechanic



Measurement Math

Soft Skills

Welding Career Exploration

Activity Inside!

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What are career exploration camp attendees saying?



# Get innovative with Realityworks

Realityworks is your one-stop shop for CTE programs. Whether you're looking to refresh an agriculture program, start a new health science program, or focus on a variety of trade skills, you'll find hands-on learning aids and comprehensive curricula for engaging today's students in skill development and career exploration.

Our products and programs are ideal for:

- Mitigating learning loss
- Improving student engagement and motivation
- Incorporating student-focused technology
- Expanding after-school and summer programs
- Meeting local industry needs

## Reimagine and refresh your programs today!

"You can use guideWELD VR to learn your skills to see if you can actually feel like you can succeed in [welding] as a career... You can see if you have a passion and interest in it." Celia McDowell Camp Welding, Wiring, and Electrical Trades Camp attendee Guilford County High School, NC

## CAREER EXPLORATION SUCCESS STORY

Guilford County Schools, North Carolina

Guilford County Schools in North Carolina acquired a variety of Realityworks learning aids for a series of Career Accelerator Summer Programs through federal Elementary and Secondary School Emergency Relief (ESSER) funds. One program component is Camp Welding, Wiring, and Electrical Trades (WWE), which introduces students to in-demand trades careers through lifelike, hands-on learning experiences.





"The hands-on skills that are provided with these [learning aids] fit perfectly, and it really provides a very rich experience for our students. Realityworks has been a great partner for Guilford County CTE department for a number of years. The products that are provided and are available match very well with our programs."

Vernon Mc Ham - CTE Operations Director, Guilford County Schools, NC

## See Guilford County School's program in action and learn more about their innovative tools!



Read the full program story here: <u>www.realityworks.com/</u> stories/using-hands-on-tools-to-explore-in-demand-careers-how-a-nc-county-engages-students-in-cte/



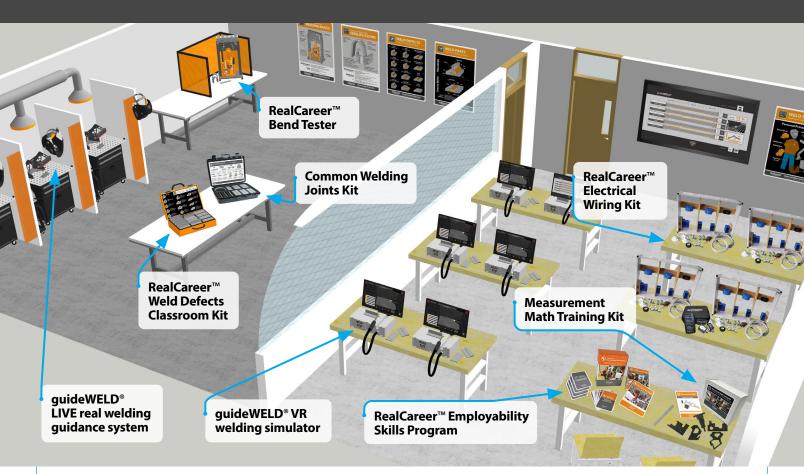


## Trade Skills Pathway Packages

Real-world training tools and comprehensive curricula to support programs focused on high-demand skilled trades.

Visit <u>www.realityworks.</u> com/product-category/ <u>trade-skills/tradeskills-</u> <u>pathway-packages</u> to learn more or create a customized package to fit your program needs.





### Basic Trade Skills Package\* \$12,999 - 50510346 55 hours of course content, 10 hands-on resources:

guideWELD VR welding simulator (MIG and Stick guns), Measurement Math Training Kit, RealCareer Electrical Wiring Kit, 4 additional Electrical Wiring Kit Wall Panels, Common Welding Joints Kit, RealCareer Weld Defects Classroom Kit, Welding Career Scenario Cards, Construction Career Scenario Cards, Manufacturing Career Scenario Cards, Electrician Career Scenario Cards





## RealCareer Intro Welding Package\* \$18,499 - 55510500

50 hours of course content, 3 hands-on resources:

guideWELD VR welding simulator (MIG and Stick guns), guideWELD LIVE real welding guidance system, RealCareer Weld Defects Kit, Group Webinar Training



### Power, Structure, and Technical Systems Package\* \$41,999 - 50510102 80 hours of course content, 18 hands-on resources:

3 guideWELD VR welding simulators (MIG and Stick guns), guideWELD LIVE real welding guidance system, RealCareer Weld Defects Kit, Bend Tester, 2 RealCareer Electrical Wiring Kits, 8 additional Electrical Wiring Kit Wall Panels, RealCareer Employability Skills Program, 10 sets of Welding Career Scenario Cards



\*Packages include hands-on resources, curricula, presentation slides, activities, and assessments.

### guideWELD® VR welding simulator \$6,649 - \$8,799

1 welding process (Stick or MIG) \$6,649 - 56010101 Both welding process \$8,799 - 56010111

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

#### Features:

- Provides immediate feedback on work angle, travel angle, speed, nozzle-to-plate distance, and straightness
- Offers recorded weld assessments
- MIG and/or Stick welding processes available
- Includes 27 default Welding Procedure Specifications (WPS's) and an option for custom WPS creation
- 3 difficulty levels: Novice, Intermediate, and Advanced
- Easy installation on Windows and MAC operating systems
- No licensing fees or requirements

#### Includes:

- 1 guideWELD VR workstation with choice of 1 interchangeable MIG or Stick welding process
- 3 welding joints: Tee, lap, and butt
- 1 pair of welding gloves
- Quick start guide
- Standards-based, downloadable curriculum
- 1-year limited warranty

#### Hardware and software specifications:

www.realityworks.com/guideweldvr-systemreguirements

#### quideWELD® VR

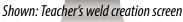
- Curriculum lesson topics:
- 1. Welding Career Opportunities
- 2. Types of Welding
- 3. Welding Safety PPE
- 4. Welding Equipment
- 5. Weld Defects
- Teaching hours: 30
- Includes: Presentation slides and student activities
- Aligns to: Common Core State Standards and Common Career Technical **Core Standards**





### Shown: Student's weld assessment report screen









This system can be used with any welding machine

## guideWELD® LIVE real welding guidance system

### \$8,799 - 55010901

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

#### Features:

- Provides a peripheral-view display inside the welding helmet during live MIG and Stick welding
- Offers real-time feedback on work angle, travel angle, and travel speed during live welding
- Includes 9 default Welding Procedure Specifications (WPS's) and the option for custom WPS creation
- Works with any MIG or Stick welder
- · Ideal for transitioning users from virtual to live welding

#### 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
- Quick start guide
- Standards-based, downloadable curriculum
- 1-year limited warranty

#### guideWELD® LIVE

- Curriculum 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
- Includes: Presentation slides, student activities, and assessment tools
- Aligns to: Common Career Technical Core Standards



Live welding in-helmet guidance displays

Same corrective guidance icons as displayed in guideWELD® VR

> Stick and MIG

• Work angle, travel angle, and speed guidance

guideWELDLIVE

**NOTICE:** Welding gloves not included.

### RealCareer<sup>™</sup> Weld Defects Kit \$1,349-52510200

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

#### Features:

- Portable, lightweight kit
- Visual inspection
- Flashcards and curriculum offer further education and practice opportunities

#### Includes:

- 1 guality weld and 12 weld defect models in case
- Welding defect definition insert
- 10 sets of flashcards (13 cards per set)
- 5 classroom posters (Weld Positions, Weld Safety, Weld Parts, Weld Types, and Weld Defects)
- Instructor auide
- Standards-based, downloadable curriculum
- 1-year limited warranty

### Common Welding Joints Kit \$999 - 53010100

Teach students how to identify the most common welding joints, achieve quality welds, and prevent issues that may arise.

#### Features:

- Portable, lightweight kit
- Visual inspection
- Flashcards and curriculum offer further education and practice opportunities

#### Includes:

- 10 common weld joint models (SMAW and GMAW)
- 1 set of flashcards (10 cards per set)
- Carrying case
- Instructor guide
- Standards-based, downloadable curriculum

### 1-year limited warranty

#### Specifications:

- Case: 21" (53.3 cm) x
- 7" (17.78 cm) x 16" (40.6 cm)
- Coupons: 5" (12.7 cm) x 2.75" (7 cm)
- Weight: 9.5 lbs (4.3 kg)

#### **Common Welding Joints Kit**

- · Curriculum lesson topics:
- 1. Common Welding Positioning
- 2. Identifying Common Welding Joints
- Teaching hours: 1-2
- · Includes: Presentation slides and student activities
- · Aligns to: Common Career Technical Core Standards



Welding Joint

1 Butt Joint

6-inch Pipe

4

5

6 Tee Joint

7 Lap Joint

8

9

2 Groove Joint - MIG (2 pass)

3 Groove Joint - STICK (2 pass)

Groove Joint - Single V Groove (tack only)

Intermittent weld: 2/side Length & Pitch 10 Intermittent weld: 3/side Length & Pitch



- **RealCareer Weld Defects Kit**
- Curriculum lesson topics:
- 1. Welding Safety PPE
- 2. Types of Welding
  - 3. Welding Basics and Techniques
- 4. Welding Defects
- 5. Weld Testing
  - 6. Welding Review and Assessment
- Teaching hours: 10
- Includes: Presentation slides and student activities
- Aligns to: Common Career Technical Core Standards

Welding Joint				
1	Undercut	7	Concavity	
2	Overlap	8	Convexity	
3	Lack of Fusion	9	Insufficient Reinforcement	
4	Inconsistency	10	Excessive Reinforcement	
5	Spatter	11	Porosity	
6	Slag Inclusions	12	Arc Strike	

### **RealCareer<sup>™</sup> Bend Tester** \$3,999-53510100

Specifications:

• Dimensions: 24.5" (62.2 cm) x

13.75" (35 cm) x 11" (28 cm)

Career Exploration

Brainstorming Web!

(LAST PAGE)

• Weight: 93 lbs (42.1 kg)

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

#### Features:

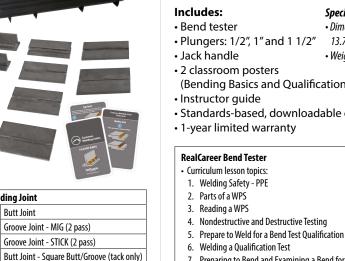
• Weight: 9.5 lbs (4.3 kg)

- Tabletop size for shop or off-site portability
- Manual hydraulic iack

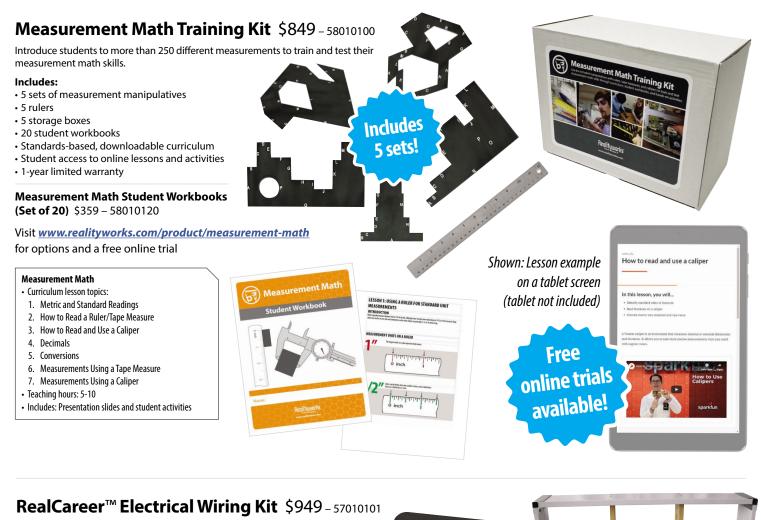
• Coupons: 5" (12.7 cm) x 2.75" (7 cm)

- Use with destructive and/or nondestructive testing
- 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
- Plungers: 1/2", 1" and 1 1/2"
- (Bending Basics and Qualifications)
- Standards-based, downloadable curriculum
- - 4. Nondestructive and Destructive Testing

  - 7. Preparing to Bend and Examining a Bend for Oualification
- 8. Welding Career Opportunities
- Teaching hours: 15
- Includes: Presentation slides and student activities
- · Aligns to: Common Career Technical Core Standards
- **NOTICE:** Additional shipping surcharge applies.



#### Measurement math and electrical wiring tools



Give users safe, hands-on lessons on wiring common electrical circuits.

#### Features:

- Portable, battery-operated kit
- Uses low-voltage DC power to assess AC wiring
- Instant assessment and corrective feedback so students can diagnose problems without disassembling outlets or creating sparks
- Features 16 student-led exercises for wiring outlet, light, and switch circuits

#### Includes:

- Wall Panel Demonstrator
- Electrical wiring components
- Electrical Wiring Assessment Kit
- 2 Breakout Boxes (1 on Wall Panel Demonstrator)
- 16 Student Exercises
- Standards-based, downloadable curriculum
- 1-year limited warranty

Additional Wall Unit and Components \$449 - 57010201

Instant assessment and corrective feedback!

Student

*Reality*works

Wall Panel Dimensions: 31.5" (80.01 cm) x 5.5" (13.97 cm) x 21.75" (55.245 cm)

#### **RealCareer Electrical Wiring Kit**

- Curriculum lesson topics:
- 1. Electrical Safety
- 2. Electrical Principles
- 3. Basic Wiring Skills
- 5. Dusie Winnig Skii Taa ahima hauwa 12
- Teaching hours: 13
- Includes: Presentation slides and student activities
- Aligns to: Common Career Technical Core Standards

## Realityworks + STEM/STEAM



Science, technology, engineering, and mathematics (STEM) programs are widely considered necessary for a well-rounded education. Realityworks offers a range of products and curricula that incorporate STEM concepts to:

- Strengthen instruction and student engagement
- Provide hands-on learning opportunities
- Improve attainment of skills related to STEM subjects

"Hands-on learning really helps... I can sit here and talk, but when they actually get to see it and get their hands on it, it brings a whole new level of education to the experience."

- Nathan Anderson, Agriculture Educator On TikTok: @mnagteacher







RC Tractor Pull Challenge (5-pack) with Pulling Sled

Create interactive STEM challenges with this kit, which includes five remote-controlled

tractors that can be adjusted for different pulling outcomes.

**\$2,999**-40610105

#### **RC Tractor Pull Challenge**

THE EDTECH

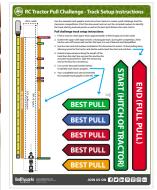
AWARDS

- Curriculum lesson topics:
- 1. About the Tractor
- 2. Testing Tractor Configurations
- 3. Gears and Tires
- 4. Weight and Friction
- 5. Tractor Pull Setup
- Teaching hours: 5-7
- Includes: Lesson plans, student activities, presentation slides, tractor challenge,
- and assessments
- Aligns to: Curriculum for Agricultural Science Education (CASE)

Students can assemble each of the five tractors and experiment with variables for different pulling outcomes.

- Tractor dimensions: 9.5" (24.13 cm) x 6.5" (16.51 cm) x 4.5" (11.43 cm) • Tractor weight: 1.5 lbs (0.68 kg)
- Sled dimensions: 20" (50.8 cm) x 6.5" (16.51 cm) x 6.5" (16.51 cm)
- Sled weight: 1 lb (0.45 kg)





Use the Track Setup Instructions for consistent track dimensions.

## **Soft Skills Programs**

Available in online and print formats, our soft skills programs use real-world scenarios and activities to help students practice in-demand employability, leadership, and entrepreneurship skills.

All programs are flexible; they can stand alone or supplement any CTE pathway.

	Employability Skills Program (online and paper-based) Curriculum lesson topics:				
1	Communication	11	Responsibility		
2	Teamwork	12	Flexibility		
3	Problem Solving and Critical Thinking	13	Interpersonal Skills		
4	Using Technology	14	Negotiation		
5	Time Management	15	Networking		
6	Interviews	16	Patience		
7	Motivation	17	Presentation Skills		
8	Work Ethic	18	Self-Confidence		
9	Listening	19	Stress Management		
10	10 Respect				
Alig	Aligns to: Employability Skills Framework				

Lea	dership Skills Program (online and paper-based)		
Curr	iculum lesson topics:		
1	Trust	11	Servant Leadership
2	Professionalism	12	Team Building
3	Coaching and Mentoring	13	Visionary Leadership
4	Conflicts Resolution	14	Optimism
5	Decision Making and Goal Setting	15	Public Speaking
6	Delegation	16	Observation
7	Honesty and Integrity	17	Creativity
8	Diplomacy and Tact	18	People Skills
9	Determination		
10	Empathy	]	
Alig	ns to: AAFCS Pre-Professional Certification in Leadershi	p Esse	entials

sed)
g Your Business Plan Parts 1 — 2
g Your Business Plan Parts 3 — 5
g Your Business Plan Parts 6 — 7
g Your Business Plan Parts 8 — 10
o Pitch Your Product
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## **Online soft skills programs**

#### All online soft skills programs include:

- Interactive online lessons
- Summative knowledge check
- Student dashboard with access to lessons
- Instructor dashboard with instructor guide, CTSO alignments, and completion certificates

#### Online soft skills program access options:

- Teacher license for one classroom
- Site license for multiple classrooms at one school
- District license for multiple classrooms at multiple schools
- Licenses available for 1-year, 3-year, and 5-year periods

#### Visit www.realityworks.com/product-category/soft-skills-training

for options and a free trial of each online program.

## Online Employability Skills Program



## Online Leadership Skills Program



## Contemporary Entrepreneurship



## Paper-based soft skills programs

#### All paper-based soft skills programs include:

- Self-paced learning and information
- Guided lessons broken into topic sections
- Practical skill application through scenarios and activities
- 20 student workbooks
- Storage box
- Downloadable presentation slides
- Activity cards
- 1-year limited warranty

#### Visit www.realityworks.com/product-category/soft-skills-training

for sample lessons and sample activity cards.



### Employability Skills Program (paper-based) \$699-11130945

Employability Skills Program Student Workbooks (Set of 20) \$329 – 11130946

## Employability Workplace Scenario Cards

Put students in real-world workplace situations that challenge them to think critically and problem-solve with these pathway/occupation-specific cards. Each scenario pack includes 19 cards.

Welding Career Scenario Cards (1 pack) \$69 – 11120405

Electrician Career Scenario Cards (1 pack) \$69 – 11120425

Construction Career Scenario Cards (1 pack) \$69 – 11120324

Manufacturing Career Scenario Cards (1 pack) \$69 – 11120323







### Leadership Skills Program (paper-based) \$699-11160301

Leadership Skills Program Student Workbooks (Set of 20) \$329 – 11160302



### Contemporary Entrepreneurship Program (paper-based) \$899-11137111

Contemporary Entrepreneurship Program Student Workbooks (Set of 20) \$219 – 11137112

**NOTICE:** Includes printable vocabulary cards.

## **Career Exploration Package**

Hands-on training tools, activities, and lessons to create engaging exploration stations.

## **NEW - Trades Career Exploration Pack** \$7,999 - 31910235

Use the seven hands-on learning aids in our Trades Career Exploration Pack to introduce students to different trades careers, such as welder, electrician, and construction worker. Students can learn about metric and standard readings, wiring common electrical circuits, basic welding skills, and more with these engaging tools.

#### 55 hours of course content, 7 hands-on resources:

Measurement Math Training Kit, RealCareer Electrical Wiring Kit, guideWELD VR welding simulator (MIG or Stick), Common Welding Joints Kit, Welding Career Scenario Cards, Construction Career Scenario Cards, Electrician Career Scenario Cards



## Awards



Realityworks' New RC Tractor Pull Challenge Named EdTech Cool Tool 2023 Finalist



Tech Edvocate Awards 2022 Finalist – RC Tractor Pull Challenge



2021 Best Math App or Tool – Measurement Math Training Kit



2020 Best Gamification App or Tool – guideWELD® VR Welding Simulator

Visit <u>www.realityworks.com/news/press-releases-news-articles</u> to see all awards and press releases

## **Free resources for teachers**

Engage students, explore career,s and teach in-demand skills with:

- Free guides on incorporating instructional strategies
- Free career exploration lesson plans
- Free downloadable classroom posters
- and more...

Visit <u>www.realityworks.com/resources/classroom-ideas</u> to see all of our free resources for teachers.

## Let's get social!

Follow Realityworks on social media for promotions, webinar announcements, free resources, product launches, and more!

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## **Product wish list**

Email your own product wish list to

information@realityworks.com to receive a free, customized quote.

SKU	PRODUCT NAME	QUANTITY	PRICE

### Or submit a digital wish list!





## How to order

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

Email orders to: <u>orders@realityworks.com</u>

**Call with credit card:** 855.351.8936

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.

Shipping and handling varies by product with a minimum charge of \$18.00 (applies to 48 contiguous U.S. only). **Bulky and oversized items may require additional shipping surcharges, contact Realityworks®, Inc. for details.** 

HI + AK please contact us for shipping quote.

Contact Realityworks®, Inc. for accelerated or special shipping requirements.

## **Product support**

#### We offer:

- Videos, guides, and FAQs in our online Product Support Center
- Personalized assistance via live chat, phone, or email

### **Contact us:**

 productsupport@realityworks.com or call 800.830.1416, option 2, Monday-Friday 7:30 AM-5:00 PM CT.

#### Learn more:

www.realityworks.com/knowledge-base



# Why purchase Realityworks' products & programs?

### **Curriculum included**

Each product comes with standards-based curriculum that includes presentation slides, student activities, and assessment tools.

### Created in partnership with educators

We partner with educators, administrators, and industry leaders to ensure our offerings meet their needs and make lessons truly meaningful.

## Engaging and interactive for today's learners

The 21st century learner craves real-time information. Our hands-on learning aids engage students with interactivity and real-life situations.

### **Customer support**

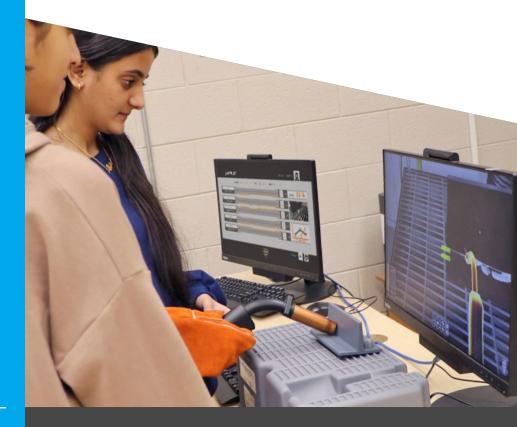
Webinars, warranties, trainings, and our support team are here to help educators maximize their programs.

Realityworks<sup>®</sup> Live it. Learn it.<sup>®</sup>

855.351.8936 www.realityworks.com

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# Contact us for a customized quote to meet your program needs.

Our Account Managers are ready to connect with you! Call us at 855.351.8936 or email <u>information@realityworks.com</u>

JOIN US ON **f** 📉 in 🦻 📰 🞯 J

# **FREE STUDENT ACTIVITY!**

### **Career Exploration Brainstorming Web**

Get your students thinking about all the career opportunities available to welders with this brainstorming web included with our RealCareer<sup>™</sup> Bend Tester.

## Download the activity here: <<u>LINK - PRINT READY PDF</u>>



#### **Our Program Curriculum:**

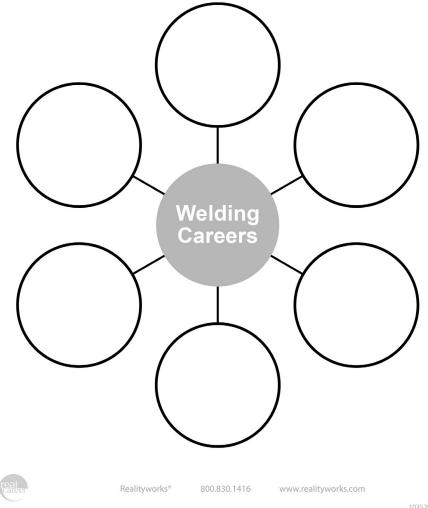
The Hidden Gem of Our Hands-On Learning Aids

Our program curriculum is designed to enhance hands-on learning experiences by providing standards-based lessons written by teachers, including activities, worksheets, quizzes, and more.

Learn more here: <u>https://www.realityworks.</u> com/blog/our-program-curriculum-thehidden-gem-of-our-hands-on-learning-aids/ RealCareer<sup>®</sup> Welding Solutions – RealCareer<sup>™</sup> Bend Tester

## **Career Exploration Brainstorming Web**

Directions: With your group, brainstorm as many careers relating to welding as you can in 5 minutes. Write each career identified in a circle. Draw additional circles as needed.



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