



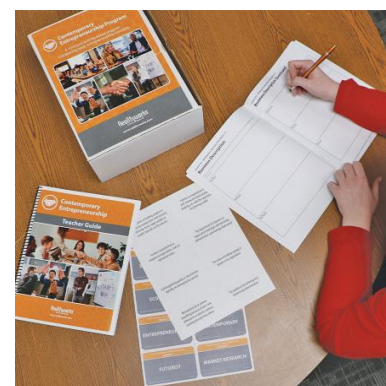
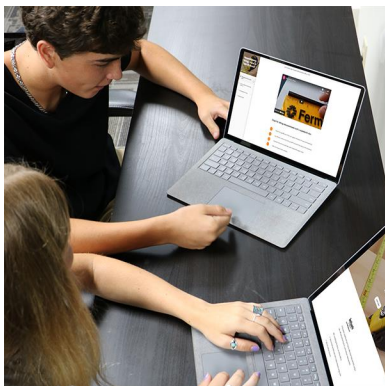
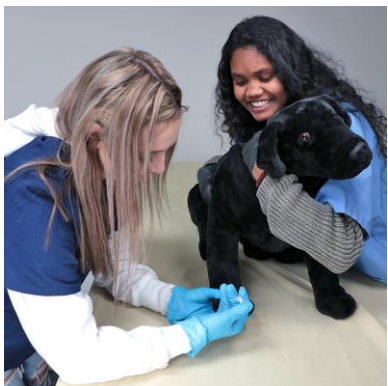
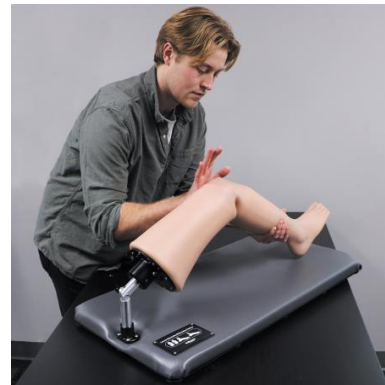
Transforming Trade Skills: Open-And-Go Classroom Kits for Creating Active Learning Experiences

Our agenda:

- Overview of Realityworks, Inc.
- Tips for teaching today's students
- Best practices for using classroom kits
- Meet our favorites: Electrical Wiring Kit, Measurement Math Training Kit, Common Welding Joints Kit and Weld Defects Kit
- Free resources!
- Q&A

Who is Realityworks?

Realityworks[®]
Live it. Learn it.[™]
100% EMPLOYEE-OWNED



The Faces of CTE: Who Are Our Students?

Gen Z: 20% of US population

- 51% are students
- Relevancy matters
- WHY are they learning what they are?
- HOW will they apply it to the real world?

Source:

<https://explodingtopics.com/blog/gen-z-stats>



Gen Z Students Are Different From Millennials



- Compared to Millennials, Generation Z students have...
- Even shorter attention spans
- Even better technology skills
- Even stronger desire for real-world learning

Source:

<https://greekreporter.com/2022/09/23/genz-vs-millennials/>

Understanding Generational Differences

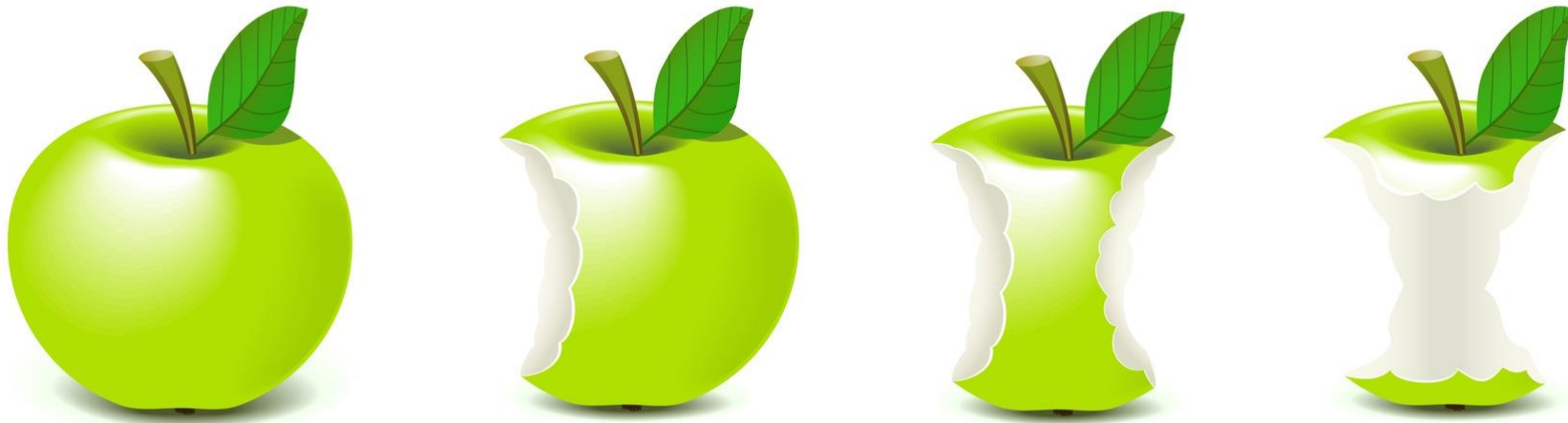
- Compared to Millennials, Generation Z students have...
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Source:

<https://www.linkedin.com/pulse/learning-from-gen-z-training-todays-workforce-jackie-peer/>

Silents	Baby Boomers	Generation X	Generation Y	Generation Z
Born 1925-1945	Born 1946-1964	Born 1965-1981	Born 1982-1995	Born 1996-2009
a.k.a. Traditionalists Veterans Builders	a.k.a. Boomers Me Generation	a.k.a. Gen X Latch-Key Kids MTV Generation 13 th Generation	a.k.a. Gen Y Millennials Echo Boomers	a.k.a. iGeneration (iGen) Post-Millennials Centennials
Telephone	TV	PC	Internet	iPhone, Social Media
Largely disengaged from technology	Early IT adopters	Digital immigrants	Digital natives	Technoholics
Face-to-face	Face-to-face; telephone or email if required	Text messaging or email	Online/social media and text messaging	Visual communication using technology
Teach Me Prefer a structured "command and control" oriented learning, classroom lectures, books and on-the-job training	In Person Prefer classroom setting with in-class participation; will use technology and may prefer books to reading online	Learn by Doing Prefer self-directed learning and freedom to figure things out on own; computer before books	Short and Sweet Thrive on flexibility and space to explore; favor on-demand, highly personalized and interactive training	Get it Now. Do it Now. Learn it Now. Want to learn on their own terms; prefer visual and interactive, bite-sized and hands-on learning; use of technology and social media is a given

How Do We Teach? Bite-Sized Chunks



Source: <https://blog.tcea.org/generation-z-snackable-content/>

More Gen Z Teaching Tips



- Provide information across multiple modalities – activities, group work
- Focus on engagement
- Provide active learning opportunities

Source: <https://blog.tcea.org/generation-z-snackable-content/>

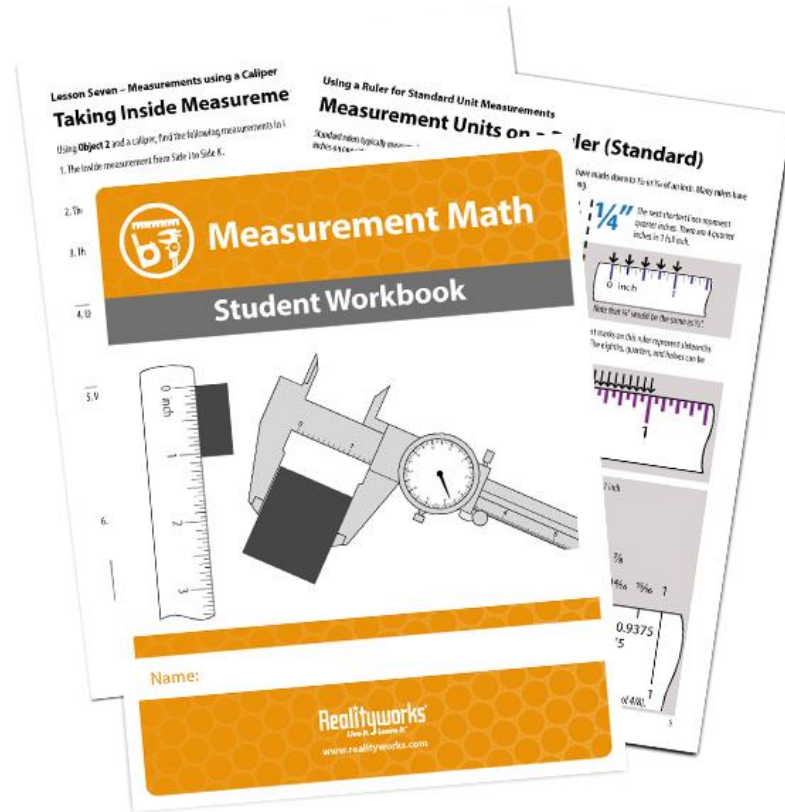
Classroom kits from Realityworks

How can kits benefit your classroom?

- Hands-on tools quickly engage students and provide tactile learning
- Manipulatives give students a deeper understanding of complex concepts
- Students can interact and learn from one another



How can kits benefit your classroom?



- Lessons support easy implementation
- Activities and assessments integrate different learning methods
- Scenario-based learning promotes soft skill development

Maximize kits in your classroom by...



- Leverage stations
 - *(# of students / # of items per activity = # of stations)*
- Use student volunteers to help set up
- Create a soft skills rubric for use during kit activities
- Start with foundational or background information
- Make time for reflection

Trade Skills Training Kits from Realityworks

Weld Defects Kit



Realityworks
Live it. Learn it.
...an employee-owned company



RealCareer™ Weld Defects Classroom Kit



Pause (k)



0:02 / 2:07



Weld Defects Kit: Learn more

- See product details
- Dive into the curriculum

Learn more:

<https://www.realityworks.com/product/weld-defects-kit/>

Posters are included!

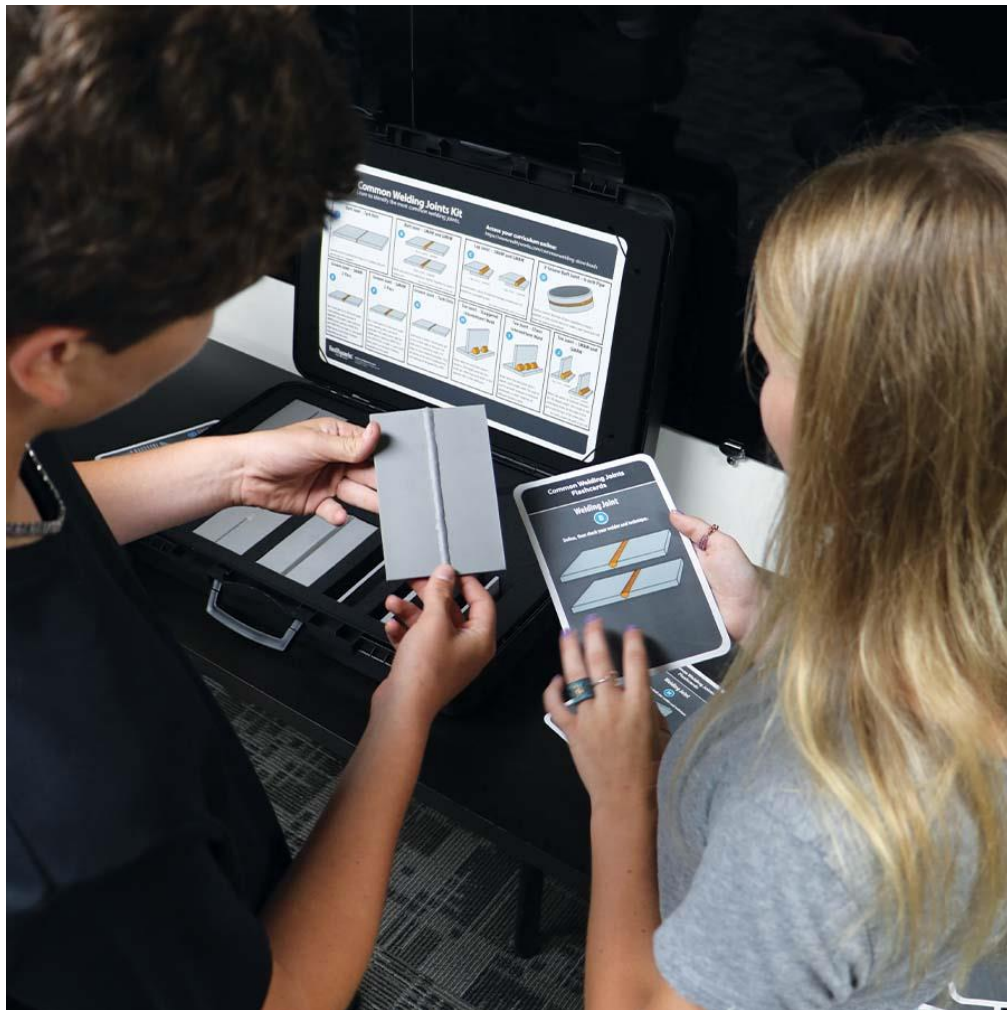


Common Welding Joints Kit



LIVE DEMO

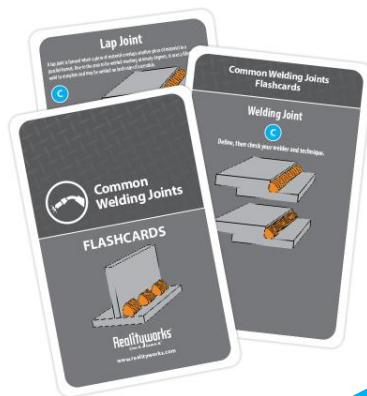
Common Welding Joints Kit: Learn more



- Get curriculum details
- View sample flashcards
- See product specs

Learn more:

<https://www.realityworks.com/product/common-welding-joints-kit/>



**Flashcards
are included!**

Electrical Wiring Kit



- Electrical Wiring Assessment Kit:
- 2 Breakout Boxes
 - 2 Light Socket Testers
 - 3 cables: Breakout Box Cable, Outlet Cable and Socket Tester Cable
 - 4 AA batteries

Wall Panel Demonstrator



Electrical wiring components:

- 2 single Pole Switches
- (2) 3-way switches
- (3) 15A duplex receptacles
- 2 ceramic lamp holders
- 1 ceramic lamp holder, with pull chain
- 20 feet of 14-2 NM-B with ground wire
- 13 feet of 14-3 NM-B with ground wire
- 25 standard wire connectors
- 1 roll of black electrical tape



RealCareer™ Electrical Wiring Kit

Additional features and functions:

- Portable, battery-operated kit
- Uses low-voltage DC power to assess AC wiring
- Instant assessment and corrective feedback

Student Exercise Workbook
(16 student-led exercises)

Realityworks Inc.

Play (k)



17:29 / 30:00 • Testing Outlets >



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Electrical Wiring Kit: Learn more

“When I can, I try to bring something in that’s exciting. Now I’ve got girls learning how to do electricity... And they’re like, ‘wait a minute, I can do that?!’ ‘Yes, you can!’”

Read Kendall’s story:

<https://www.realityworks.com/stories/middle-school-students-get-unexpected-introduction-to-electrical-wiring/>



Measurement Math Training Kit



LIVE DEMO

Measurement Math Training Kit: Learn more



- See product details
- Preview the student workbooks
- Try the online lessons FREE

Learn more:

<https://www.realityworks.com/product/measurement-math/>

Career Exploration Stations Realityworks

Learning Aid: Measurement Math Training Kit
Recommended Lesson: Lesson 2: How to read a ruler and Tape Measure

Required Materials:

- Fraction War Cards (printed out)
- How to Read a Ruler and Tape Measure Guide Note Packet
- How to Read a Ruler and Tape Measure slide presentation (printed out)
- How to Read a Ruler and Tape Measure Exit Ticket

Steps:

FOCUS:

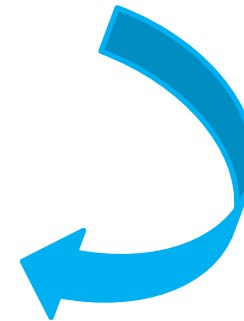
1. You will learn about fractions and play a game called Fraction War. Find a partner to play the game with.
2. Cut out the 28 cards (if they have not been already cut out) and shuffle them.
3. Select 14 cards each, creating a face-down pile.
4. Take the top card off your deck and place it in the middle of the desk.
5. The person with the highest card keeps both cards, adding them to the bottom of their pile.
6. The process is repeated until one player has all of the cards and is declared the winner.
7. In the case of equivalent fractions, a "fraction war" will ensue. In a fraction war, an additional card will be placed face down and another card will be flipped in the center. The higher of the cards will take all of the cards in the center.

LEARN:

1. Read through the How to Read a Ruler and Tape Measure slide presentation (slides 1-7).
2. Complete the How to Read a Ruler and Tape Measure Guided Notes Packet as you go through the slides.
3. Take a break from the notes and review what you learned to make sure you understand the slides.
4. Continue with the How to Read a Ruler and Tape Measure slide presentation (slides 8-13) and notes packet.

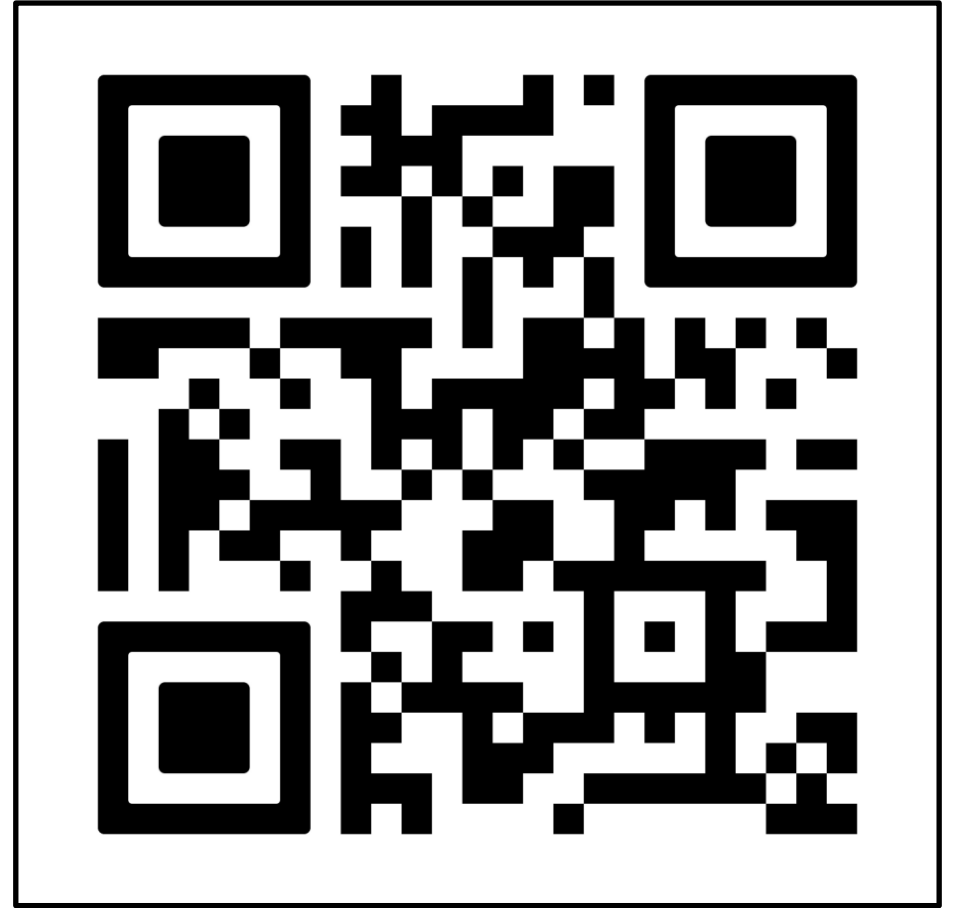
REVIEW:

1. Complete the How to Read a Ruler and Tape Measure Exit Ticket.
2. Go through each question like it is a quiz and see what you have learned from this lesson.



**Career
Exploration
Station sheet
available!**

- We can help you start or refresh your own program!
- Scan to connect with your local Realityworks account manager



Scan me

Welding Month Giveaway

- Through April 30
- Win Welding Soft Skills Bundle
- Enter here:
<https://www.realityworks.com/were-celebrating-national-welding-month-with-a-giveaway/>



Now What?

- **Download our Basic Trade Skills Concepts Guide:** <https://www.realityworks.com/trade-skills-implementation-page/>
- **Request a consultation** by completing this free form (or scanning the code) 
- **Enter our Welding Month Giveaway:** <https://www.realityworks.com/were-celebrating-national-welding-month-with-a-giveaway/>
- Contact us with questions!



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JOIN US ON

