

guideWELD® LIVE Curriculum Overview

Goals:

To equip all participants with knowledge of welding safety and welding defects, and give them the tools to make weld corrections, read and weld based off of a WPS and test welds.

Length:

The 20- to 30-hour curriculum is comprised of lessons and activities that can take 40-60 minutes each.

Synopsis:

Each unit includes teacher guides, PowerPoint presentations, worksheets, quizzes and assessments.

	Unit 1	Unit 2	Unit 3
Focus	Welding Careers, Types of Welding and Welding Safety	Welding Defects and Correction	Weld Testing and Welding Procedure Specifications (WPS)
Number of Lessons	6	6	4
Topics	Welding Career Opportunities	Welding Technique	Weld Testing
	Types of Welding	Identifying Defects	Reading a WPS
	Welding Safety – Personal Protective Equipment	Multiple Causes of Defects	Testing and WPS Activity
	Welding Safety Focus	Defects Assessment	Weld Testing and WPS Assessment

Curriculum CD Components:

- **Teacher’s Guide** with detailed information for classroom learning.
- **Student Notes materials** like student activity sheets and homework assignments for every lesson.
- **Microsoft PowerPoint® presentation slides** for visual classroom learning during each lesson.
- **Assessment Tools** such as quizzes and exams with answer keys to track students’ knowledge for select lessons.

About the Curriculum Development Team:

CURRICULUM AUTHOR & SUBJECT MATTER EXPERT:

Chrystal Reidt

Welding Instructor and Curriculum Writer

Chippewa Valley Technical College Eau Claire, WI

The guideWELD curriculum was authored by Chrystal Reidt, welding instructor and curriculum writer for Chippewa Valley Technical College (CVTC) in Eau Claire, Wisconsin. Chrystal has twelve years of welding experience and five teaching welding at CVTC. She is certified in SAW flat Unlimited, SMAW E7018 flat Unlimited and State AWS Bridge Code through the state of Michigan.



CURRICULUM PRODUCT MANAGER:

Jamey McIntosh

Realityworks Product Manager – Software

The guideWELD curriculum was designed with scope and sequence structure created by Jamey McIntosh with the direct input of Chrystal Reidt. Jamey has been a secondary educator for over 6 years and has extensive training in curriculum development. He has been the product manager for guideWELD from its beginning and works with hundreds of welding instructors each year trying to create the best teaching tools for welding education.

CURRICULUM EDIT/DESIGN PERSONNAL:

Janelle Krause

Realityworks Public Relations and Events Specialist

The guideWELD curriculum was edited and formatted by Janelle Krause. She did hours of proofing and preparation of creating the curriculum to fit the structure that fits the quality of all Realityworks curriculum.

CREATIVE DESIGN SPECIALIST:

Allen Jacobson

Realityworks Designer

The guideWELD curriculum's overall branding was designed by Allen Jacobson. He has designed for all of Realityworks current product line and has worked extensively to create quality design that will work well with the needs of education and industry alike.

Curriculum Image Sources:

Allen Jacobson- Realityworks designer
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