American Welding Society Launches Welding Curriculum

Miami, FL, July 8, 2020: When it comes to being an educator, it can feel like there aren’t enough hours in the day. To help shoulder the load, AWS has developed a comprehensive welding curriculum for high schools, technical colleges, and career training institutions. This full suite of digital and print resources lets instructors focus on teaching and helps spark their students’ interest in welding.

The AWS Fundamentals of Welding curriculum covers health and safety, welding symbols and joint design, arc welding (SMAW, GMAW, FCAW, GTAW), thermal cutting (OFC, PAC, CAC-A), and welding inspection. It aligns with the governing standards of the SENSE program and was created and reviewed in tandem with subject matter experts (SMEs) and welding education professionals. Whether a school is currently part of the SENSE program or is simply looking to improve their current welding program, this curriculum can help deliver quality instruction in an effective and structured manner.

"In just about every discussion we’ve had with welding educators and administrators, the lack of high-quality educational materials was cited as a serious concern," said Eduardo Guerra, Instructional Design Manager, Education and Training. "The AWS Fundamentals of Welding curriculum was developed to address that void, and we’re proud to offer a product that supports welding education and aligns with the spirit of the AWS mission."

The AWS Fundamentals of Welding curriculum package consists of the following:

Print Materials
• 25 copies of the Fundamentals of Welding textbook
• 25 copies of the Fundamentals of Welding Lab Manual – 100+ guided laboratory activities
• 12 classroom posters – 8 informational and 4 decorative/inspirational

Digital Content
• 74 online modules
• 18 instructional videos

Instructor Resources
• 100+ detailed lesson plans
• 12 extensive PowerPoint slide decks
• Access to AWS Learning online platform
• A compendium of Health and Safety Fact Sheets for Welding Education
• Standards and supplemental documents (SWPSs, ANSI Z49.1, student assessment checklists)

For more information about the new AWS Fundamentals of Welding curriculum, visit aws.org/weldingcurriculum.

About AWS: The American Welding Society (AWS) is a multifaceted, nonprofit organization with a mission to advance the science, technology, and application of welding and allied joining and cutting processes worldwide, including brazing, soldering, and thermal spraying. Headquartered in Miami, Florida, and led by a volunteer organization of officers and directors, AWS serves over 70,000 members worldwide and is composed of 22 Districts with 250 Sections and Student Chapters. For more information, visit the Society’s website at http://www.aws.org.