

Realityworks RealCareer guideWELD® VR Simulator Alignment with Carl D. Perkins Funding

	GRANT CRITERIA	guideWELD® VR SIMULATOR ALIGNMENT
√	Strengthen student academic achievement	The curriculum for guideWELD® VR focuses on building skills to become successful in welding. It includes career exploration, foundational knowledge and safety information. Summative assessments are included in the curriculum. Classroom activities include language arts, reading, writing and speaking. Simulator provides assessments after each weld based on welding technique through core welding aspects.
√	Provide professional development programs to train teachers specifically in the use and application of technology	Realityworks offers product/curriculum training and professional development classes on how to use and integrate the technology and curriculum into their classes.
√	Develop, improve or expand the use of technology	The guideWELD® VR simulator puts students in a simulated welding environment. The simulator requires that students have competency with the software and technology that are included. Students must understand how this technology works in order to successfully use the equipment and create a virtual weld. The simulator is used to help student learn how perfect their welding technique in preparation for a live welding experience.
√	Initiate, improve, expand and modernize quality vocational and technical education programs	guideWELD® VR provides hands-on application of learning real-world experience on welding. This in-helmet guidance requires students to apply knowledge and skills to understand and correct their welding technique to complete successful welds. This simulator provides a realistic learning experience along with high-quality, research-based student-centered curriculum.
√	Provide services and activities that are of sufficient size, scope and quality to be effective	The guideWELD® VR system covers a broad range of welding topics. Students will need to tack and perform a weld. Simulation will lead to greater understanding of welding and a greater ability to perform a passable weld. Educator can provide customized WPS assignments based on classroom needs.