High School Builder Program

Construction Pathways & Credentials

An Easy-to-Implement Program with Hands-On Blended Learning

National Center for Construction Education and Research **Resources for NCCER Instructors**

Curriculum and Delivery Platform

High School Builder Program

Connecting Education to Industry

Benefits of a Construction CTE Program

Bridge the Gap Between Industry and Education with NCCER

The National Center for Construction Education and Research (NCCER) is a 501(c)3 nonprofit educational foundation. Founded in 1996, NCCER provides industry-leading construction education and workforce development solutions for more than 40 crafts and multiple construction disciplines. Students can earn valuable industry-recognized credentials and microcredentials by completing training in our High School Builder Program (HSBP).

Credentials in hand, the transition from high school programs to postsecondary or apprenticeship programs and into careers in the construction industry is seamless.

NCCER aligns with DOE frameworks, the lesson plans are well-written, and the subject matter provides students with high quality project-based learning as well as critical thinking skills, creating students that have potential to become industry leaders."

- Howard Myers, Masonry Instructor at South Fort Myers High School, Fort Myers, FL

Why Is It Important?

Pre-apprenticeship programs give young adults a head start to develop skills before they leave high school.

Program Benefits

- Higher Graduation Rates
- High-Demand Industry Careers
- Skills Development
- Applied Learning
- Funding Opportunities
- Industry-Recognized Credentials



Why Credentials Matter

NCCER credentials validate educational achievement, showcasing a learner's progress, competence, and qualifications.

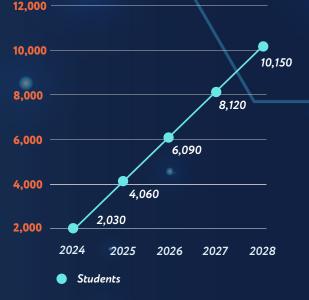
- Boost your program's reputation through affiliation with a leading credential provider to attract more students
- Vertically articulate with apprenticeships, postsecondary and industry programs
- Help students secure jobs and improve placement rates

Making Connections

From career exploration to training and job placement, NCCER's initiatives, alongside the HSBP, provide a holistic, full-circle approach that guides students on a clear career path while supporting educators every step of the way.



In 2024, we impacted 2,030 lives by expanding CTE training to 51 schools. Our goal is to continue meeting that growth and by doing so, within five years we can impact over 10,000 students lives through this program.





Equipping educators with the tools and resources to effectively engage students, raise industry awareness and promote careers in construction.

Available Resources

- Free Downloads
 - Classroom Material
 - Career Exploration tools
 - Videos

EMPLOYER

- Scholarships and Sponsorships
- Career Fair Signage

Explore everything Build Your Future has to offer at byf.org.

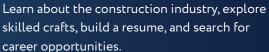
CareerStarter

Looking to show students a construction career pathway that aligns with their interests? Check out CareerStarter!

This **FREE**, online platform connects students with employers, educators, local training programs and job opportunities. It's a hub designed to help individuals start a career in construction.



Students



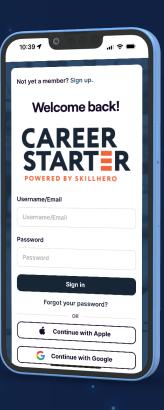
Educators



Prepare students for the workplace with videos and resources that connect their passions to fulfilling careers. Share your training opportunities to attract new students to your construction program.

Employers

Post your entry-level jobs and connect with a new talent pipeline to fill jobs faster.



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Help Your Students Gain Career-Ready Skills

Introduce or expand your school's CTE offerings.

High School Builder Program (HSBP)

HSBP is designed to help your school establish a high-quality construction program in a simple and cost-effective way. With NCCER's curriculum, resources and testing, students receive a quality education and can earn industry-recognized credentials.



Your Turnkey Solution

HSBP is a turnkey solution designed to simplify the setup of successful CTE programs. It provides educators with:

- Ready-to-use, competency-based
- curricula
- Measurable objectives
- A comprehensive project library

To support educators at every experience level, HSBP offers flexible professional development options:

- Self-guided modules for independent learning
- Live Zoom sessions for interactive training

Whether you're a STEM instructor looking to enhance your skills or a seasoned educator seeking additional support, HSBP delivers the tools and training needed to build and sustain impactful CTE programs.

HSBP also includes:

Hammer Math®

NCCER high schools have **FREE** access to HammerMath®, valued at nearly \$5,000! This applied mathematics program helps students understand fractions, measurement and scaling through online learning and real-world applications.

HammerBuild®

NCCER-certified carpentry teachers receive the HammerHouse building plans for **FREE!** Take students out of the classroom and into an on-the-job experience, learning the value of math application, goal setting, teamwork and workforce development skills.





Did You Know?

This program meets the requirements for Perkins and most federal and state funding. Other sponsorship opportunities through NCCER may be available. Speak to your Workforce Development representative for more information.

Transformative Curricula for Accelerated Learning

NCCER offers a broad portfolio of curricula, created in partnership with subject matter experts, that spans a wide range of construction and maintenance disciplines. Top titles include Core, Electrical, Carpentry, HVACR, Plumbing, Welding and Masonry.



Features Include:

- Offers competency-based curricula with measurable objectives
- ▷ Leads to highly reputable, industryrecognized credentials and microcredentials
- Provides opportunities for students to continue training after graduation through national postsecondary and industry training programs and apprenticeships
- Equips students with skills needed to enter the workforce directly

...as well as

- Prebuilt assignments and lesson plans
- Modular formats provide flexibility and custom-task training capabilities
- Standardized training creates consistency with CTE programs nationwide

Covers topics such as safety, hand and power tools, employability skills and more. Includes performance tests and dynamic presentations highlighting successful career pathways in construction.

Core 6th Edition: Introduction

to Basic Construction Skills



NCCER Core Curriculum, 6th edition			
Modul	es		
CORE Introduction to Basic Construction Skills, 6th Edition			
Introduction			
In Core, you will be introduced to basic construction skills, including safety, tools, rigging, material handling, and construction mat drawings and key professional skills around employability and communication.			
	SELF-GUIDED LEARNING	INSTRUCTIONAL VIDEOS	DYNAMIC PRESENTATIONS
	Use these interactive self-guided learning lessons to understand key concepts and terms and practice and check your knowledge.	The videos in this course demonstrate relevant job tasks for basic construction.	Ready to review what you've learned? Dynamic Presentations are a great tool to review the module content and refresh your mastery of key concepts and skills.

NCCERconnect

A Digitally Integrated Learning Solution

Optimize classroom time while accelerating knowledge for learners. NCCERconnect works to provide learners with always-available access to online training materials, including videos, interactive tools, rich eText practice quizzes and other engaging content.

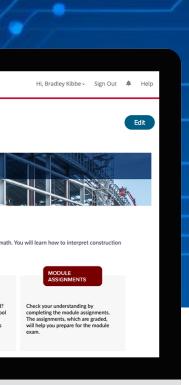
This self-paced online training program, complete with a core curriculum, builds the skills learners need to earn credentials and get hired.

Learner Key Features





Videos



Streamline Training - Customize Courses Instructors can get started quickly with pre-built assignments, use the robust course tools for class management, and track student participation and results through the online gradebook. NCCERconnect is designed to enhance learner engagement in any classroom setting, whether blended, virtual or traditional.





Support. Strengthen. Thrive.

NCCER provides expert support and a wealth of resources, including comprehensive training on NCCER curriculum, best practices, teaching techniques, and continuing education units (CEUs) that are offered for our instructor certification training programs. Plus, we offer monthly webinars for professional development and networking with industry partners and fellow instructors to collaborate.

Resources for NCCER Instructors

Instructor Toolbox: Provides direct access to craft-specific and instructor resources, including webinars.

ACTE Quality CTE Program of Study Framework® Tools: Access the Framework, self-evaluation tools, CTE Library, and professional development resources to enhance programs.

Professional Development Resources: Monthly webinars offer opportunities for instructors to collaborate with industry partners.

Instructor Community: A nationwide network for NCCER craft instructors to share teaching tips, ideas and collaborate.

Support.nccer.org: Access support documents, how-to guides and NCCER forms.



Check out our upcoming webinars and other events!

nccer.org/events



CAREER

ART



Resources for NCCER Instructors

Core Toolbox

Provides everything needed to support instructors in creating hands-on learning experiences. This prepackaged kit helps your students build the foundational skills needed to begin their career in construction. In total, the kit includes more than 40 tools and over 15 types of gear. Speak to your NCCER Workforce Development representative to learn more.

Let's Build the Future Together!

Partner with us to create pathways for your students into rewarding high-wage careers. High School Builder Program (888) 622-3720

hsbp@nccer.org

