



Building the Capital Area's Construction Workforce

MENU OF INDUSTRY SPONSORED EDUCATION OUTREACH PROGRAMS

The following is a list of programs developed by various industry organizations with the intent of engaging schools, students and young people with the construction industry.

Some programs target the classroom and curriculum. Some are out of school programs. Some are after school programs. Some are purely informational.

Should you be interested in more information on any of these programs contact the Capital Area Construction Council at (517) 492-5575 or cacc@camw.net.

ACE MENTORING PROGRAM, INC.:

A nationally supported mentoring program with the purpose of enlightening and motivating high school aged students towards architecture, construction, engineering and related building & site design careers. This program also has a scholarship component for successful graduates of the program.

ASSOCIATED BUILDERS AND CONTRACTORS:

www.Trytools.com: A website highlighting careers in the skilled trades targeting middle-school ages and up.

School to Registered Apprenticeship (STRA): Office of Apprenticeship (OA) registered apprenticeship programs that start at the high-school junior level which are sponsored by individual member companies.

Apprenticeships: OA registered apprenticeships that are sponsored by individual member companies and offered to qualifying individuals over the age of 18.

ASSOCIATED GENERAL CONTRACTORS:

Build-Up!: An industry related curriculum, project-based program targeting 5th graders.

On-Site!: An industry related curriculum, multi-media program targeting 6th through 9th graders.

Summer Work Program: Internships offered by individual member companies to construction management and civil engineering college level sophomores and juniors

Hot Jobs! Cool Careers! : A DVD highlighting careers in the commercial skilled-trades targeting middle-school and high-school students.

Construction Careers Academy: An intensive construction training program at the high school level sponsored by local AGC chapters.

Michigan Construction – A Career You Can Build On: An annual magazine highlighting careers in the commercial skilled-trades targeting middle-school and high-school students.

www.miconstructioncareers.org: A website highlighting careers in the commercial skilled-trades targeting middle-school and high-school students.

Joint Student Contractor Awareness Night: A program with and for students and member contractors ranging from topics such as interviewing skills, project management, technology and ethics.

Scholarships: Four \$2,500 scholarships to students enrolled in construction management or civil engineering university programs.

Brightest & Best Luncheon: A recognition luncheon for scholarship winners, Summer Work Program participants and participating contractors.

Michigan Construction Safety Day: A networking opportunity for member contractors and students.

HOME BUILDERS INSTITUTE:

Fun Stuff!: Classroom activities that can be completed during classroom presentations.

Building a Firm Foundation: A summer internship program to help prepare students for careers in the residential construction industry.

Business Ventures – For Middle School Students/Learning About Careers: A program that offers an interactive format providing students with industry related information about: The broad range of career options, Education/training requirements and Entrepreneurial opportunities. Materials align with the Career Development competencies that are included in the American School Counselor Association's National Model.

Business Ventures – Junior Achievement Success Skills Partnership Program: A work-readiness program utilizing industry specific career awareness materials contained in the *Business Ventures in the Residential Construction Industry* information supplement targeting high-school aged students.

Business Ventures – For High School Students/Building Your Future: A program providing a series of short, compact activities designed to help students become more knowledgeable about career opportunities in the home building industry. Materials align with the Career Development competencies that are included in the American School Counselor Association's National Model.

Making It Happen: A national public-relations campaign for home builder associations, NAHB members, educators, students, parents and others to access information on careers in the residential construction industry. This program includes a guide, workbook and lesson plans to implement contextual learning through core and elective classes.

Build a Home, Build a Career – A Career Kit: A program of course ideas and lesson plans for English, math, science and social studies classes that can be used to meet a variety of high-school educational goals.

Build a Home, Build a Career – Teaming Up for Business: A peer-team approach mentoring program in an academic setting to learn about the residential construction industry and integrate awareness of the residential construction industry with core subjects (English, math, science and/or social studies).

It's Academic: A work-based more traditional mentoring program for high-school students.

Getting on Board with Career Clusters: A 15-critical component implementation guide assessing three levels of successful education and industry partnerships utilizing career clusters.

Residential Construction Academy (RCA): A national certification residential construction training curriculum created in partnership with Thompson-Delmer Publishing. The RCA curriculum can be implemented as early as the high-school level.

Sed de Saber: A national English as a second language construction specific program to bridge the language gap of Spanish speakers and English speakers who work together in residential construction. Sed de Saber can be introduced as early as the high-school level.

www.buildingcareers.org: A website highlighting careers in the residential construction industry.

NAHB Student Chapters: A nationwide program helping to enrich the educational experience of students enrolled in construction-related fields. Chapters are located at high schools, vocational and technical schools, community colleges, and universities.

Job Corps: Created hard-skills training for participants of the Job Corps initiative.)

Scholarships: The HBA of Livingston County offers \$1000.00 scholarships to students taking construction related courses at a college or university. The HBA of Greater Lansing offers a \$1000.00 scholarship for a student attending Michigan State's Construction Management Program and a \$500.00 scholarship to support a student enrolled in Lansing Community College's Residential Building Program.

LEARNING FOR LIFE:

Skilled Trades Exploring: A career education program for both young men and women who are 14 and graduates of the eighth grade or 15 through 20 years of age centered on skilled-trades careers. This program is an off-shoot of the Boy Scouts' Exploring program.

MICHIGAN INFRASTRUCTURE AND TRANSPORTATION ASSOCIATION:

Summer Internship Program: Internships offered by individual member companies to college-aged individuals with an interest in the road building industry.

MID-MICHIGAN MECHANICAL CONTRACTORS ASSOCIATION:

Science Pipeline: Industry related classroom curriculum to be used in high-school science classes providing lesson plans and classroom materials.

NATIONAL ASSOCIATION OF HOME BUILDERS:

Building Homes of Our Own: A multi-media game going step-by-step through the process of site selection and construction of a single-family home targeting 8th graders and older.

NATIONAL ASSOCIATION OF WOMEN IN CONSTRUCTION:

Block-Kids!: A national building program competition with industry related curriculum which introduces children in grades 1-6 to the construction industry.

Building Design: A team-base program that encourages students to apply and integrate skills learned in math, science and communication arts classes which includes lesson plans and an individual model building competition. This program targets middle-school aged students.

CAD Design/Drafting: A high-school level competition where students prepare a set of architectural drawings. This competition starts at a local level. Winners advancing to regional competitions and then on to the national level.

Trades-Women Apprenticeship Grants: A \$500.00 hardship grant available to any individual, male or female, who is enrolled in a registered apprenticeship program needing assistance.

NATIONAL CENTER FOR CONSTRUCTION EDUCATION AND RESEARCH (NCCER):

Contren Learning System: A national certification construction training curriculum created in partnership with Prentice-Hall Publishing. The NCCER curriculum can be implemented as early as the high-school level.

Build Your Future: A DVD highlighting careers in the commercial skilled-trades.

ORGANIZED LABOR:

School to Registered Apprenticeship Programs: Offered by various skilled-trade unions.

Apprenticeships: Offered to individuals 18-years and older by all 19 skilled-trade unions.

SKILLS USA

An annual competition that has electrical, HVAC, individual carpentry, team carpentry, mason and many other skilled-trade contests for high-school students. Competition starts at a regional level throughout the state. Regional winners go on to compete at the statewide competition held in Lansing each year. State winners go on to compete at nationals held in Kansas City.

Note: This list is representative of programs available and not meant to be all inclusive.