To advance contractor productivity and quality construction through education and technology, and to recruit a diverse construction workforce.

// EMPOWERING BUILDERS, ADVANCING CONSTRUCTION //

Located in The Builders' Association Education & Training Center
105 West 12th Avenue • North Kansas City, MO 64116
816.471.0880 • www.buildersassociation.com
Classroom Activities

Navigating a 3D Model Class -
Participants will learn how to navigate a 3D model using a variety of site technology tools (tablet, cell phone, and jobsite kiosk).

Basics of Plan Reading -
Participants will learn common symbols, types of drawings, and how to navigate a set of drawings.

Basic Construction Measurements -
Participants will learn how to read a ruler, tape, & scale; measure objects, and how to mark areas based on given dimensions.

Google SketchUp -
Participants will create as-built 3D models of building assemblies in the Advancement Center lab, including a two-story steel mezzanine, using Google Sketchup.

Soft Skill Development -
Participants will learn to speak publicly, organize thoughts, improve emotional intelligence, and communicate through letters and e-mails.
Fall Protection Activity
Participants will put on a harness with two lanyards and practice safely navigating a two-storey mezzanine.

Drone Chamber Activity
Participants will learn how drones are used in the industry and get to fly a drone inside the drone chamber (while they and others watch from outside the chamber).
Participants will experience innovative, technological solutions to workforce productivity challenges.

Source: http://www.lockheedmartin.com/content/dam/lockheed/data/mfc/photo/exoskeleton/mfc-fortis-overlay.pdf
PVC Bridge Activity
Participants will plan out and assemble a PVC Bridge. In an extended activity, participants will apply estimating, planning, scheduling, and human resource management principles as they assemble the bridge.

Simulation Zone
Participants will fly a drone simulator, walk-through buildings using virtual reality, and utilize a job-site kiosk.
Introduction to the Trades

Participants will learn about careers in Bricklaying, Carpentry, Cement Masonry & Plastering, Drywall Finishing, Glazing, Ironworking, and Painting.