

# CTAP 140 : Basic Tools, Basic Construction, Basic Blueprints

## **Credits 5**

This course focuses on identification, maintenance and safe usage of tools and equipment used in the trades. Students will have an understanding of job safety importance and requirements. Tool and job safety will be taught and practiced throughout the entire program. This course will also provide exposure to construction basics via skill building activities and trades related to agility courses. The course will include footings and foundations (slab and grade, post and beam, footings and stem wall). This course also covers framing to include floor framing, wall framing, and roof framing. Students will receive roofing and siding exposure as well as experience with interior and exterior finishes. Students will interpret the signs and symbols on construction blueprints. Students will demonstrate their skill by drawing their own basic construction blueprint.

## **Course Outcomes**

Differentiate tools and equipment used in various construction trades including laborer's, carpentry, masonry, ironworking.

Demonstrate use of tools safely to industry standards site specific.

Prepare tool belt for the workday.

Identify and interpret the signs and symbols on construction blueprints.

Draw a basic construction blueprint incorporating appropriate signs and symbols.

Successfully complete agility stations and /or courses site specific.

Model appropriate worksite behaviors and expectations.