



**TCI® “BEYOND THE BASICS”
(Advanced) TREE CLIMBING COURSE**

COURSE OUTLINE

Please bring shoes that cover your ankles to protect you while using the foot cam. These can be hiking boots or high-tops. Fancy boots are not needed.

DAY 1

Modified (5-wrap) Blake’s hitch climbing system setup/review (6 knots). You must be familiar with this system prior to taking the class.

Gear inspection

Hitch pulley climbing system setup with 6-wrap Michoacan knot (32” hitch cord) and foot cam
Foot cam escape in case of inversion error

Lanyard use: positioning and life support

Pinto pulley double-ended lanyard (25 feet or more)

- Pinto pulley end of lanyard use.
- Prusik knot end of lanyard use.

Foot cam use with lanyard

Other lanyard techniques

- Throw bag with small keychain carabiner and 10 oz. throw bag to place lanyard
- Double-ended lanyard use for long branch walks.

Redirects using double-ended lanyard

Climbing practice

BACK check safety review (**B**elt, **A**nchor, **C**arabiners, **K**nots)

Climb using Pinto pulley lanyard and multiple redirects

Branch walking

Low height practice

Walking techniques: Bird walk, cat walk, back walk, side walk

Return to plumb techniques (returning from branch walk)

Climbing practice

Rope walker (hitch pulley) system

DAY 2

High line placement tools

- Big Shot
- Line gun use (air powered)

Yella grapnel hook practice- used for long-range aerial throw line/rope retrieval

Double-ended rope climbing setup explained for traversing or branch walking

Hitch pulley system used on one end of rope

Traditional system (Blake's hitch) used on other end of rope

Yella grapnel hook used to set up remote anchor point

Climbing practice

Double rope end climbing using:

- Hitch pulley climbing system
- Yella grapnel hook

Double-ended lanyard practice

Long branch walk using both ends of the Pinto pulley lanyard

Hand saw use (demonstration only: students will not handle a hand saw)

Safe practices

Throwing strap use

High climb using rope walker (hitch pulley) system

EQUIPMENT USED IN THIS COURSE

Hitch pulley system – includes DMM Hitch Climber pulley and (2) DMM Ultra O carabiners

Double-ended lanyard (25-35 feet)

Yella grapnel

CMI foot ascender

“Big Shot” (2 connectible 4-foot poles) and air-powered line gun

Folding throw-line cube

Knee ascender (optional)