

On Rope

- Ascend
- Descend
- Pick Off

MISSION STATEMENT

TO PROVIDE ANIMAL RESCUE TRAINING TO ANY AGENCY THAT WOULD BENEFIT FROM LEARNING HOW TO SAVE ANIMALS USING FIRE RESCUE STANDARDS, AND TO PROVIDE THAT TRAINING IN CONJUNCTION WITH OTHER AGENCIES BECAUSE JOINT TRAINING LEADS TO SMOOTH INTERAGENCY CALLS.





Ken Gilden Instructor Qualifications

Fire Fighter 1

Single Resource Boss

Fire Scout for DAS
Unit Lead

Fire Advisor for SDHS
Tech Rescue SDHS
Lead Instructor

Animal Fire Rescue
Pres. & Lead Instructor

GAFSC Vice. Pres

ASAR Instructor

TECC Instructor

Rt-130 Instructor



Terminal Learning Objective (TLO)

- At the end of this course the student will be able to:
- Identify rope configurations and specific parts of on rope rescue systems
- Construct Rescue connections and use Main and Belay Lines
- Understand High and Low Angle Safety Standards
- Construct and use Human & Small Animal Victim Harness
- Be able safely construct and use Repel & Ascension Devices
- Perform a Rescuer Based Pick Off

Topics

- Review the following from On Rope Introduction Class
 - Rope Systems
 - Rescue Zones
 - Low vs High Angle Standards
 - PPE Harnesses & Victim Harnesses
- Repel Techniques
- Ascend Techniques
- Pick Off Techniques



Info Review

FROM ON ROPE INTRODUCTION CLASS

Rescue Triangle

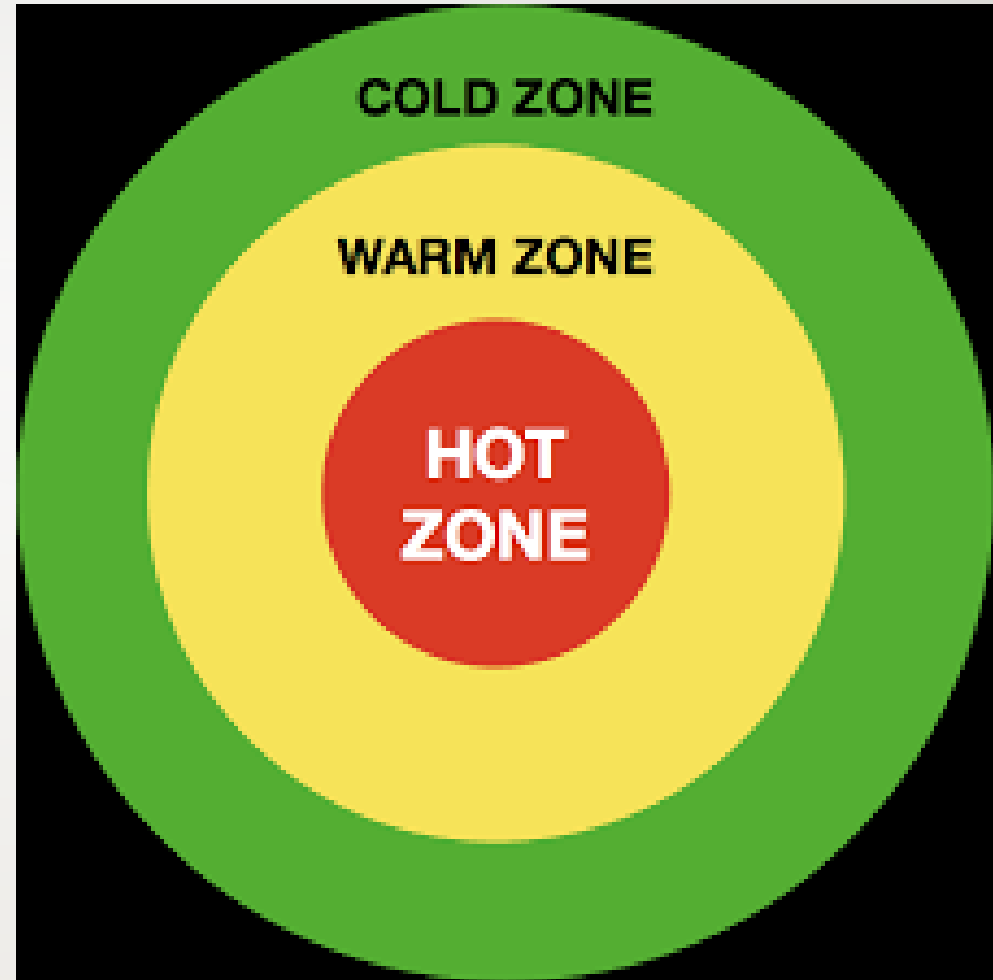
SAFETY



STANDARDS

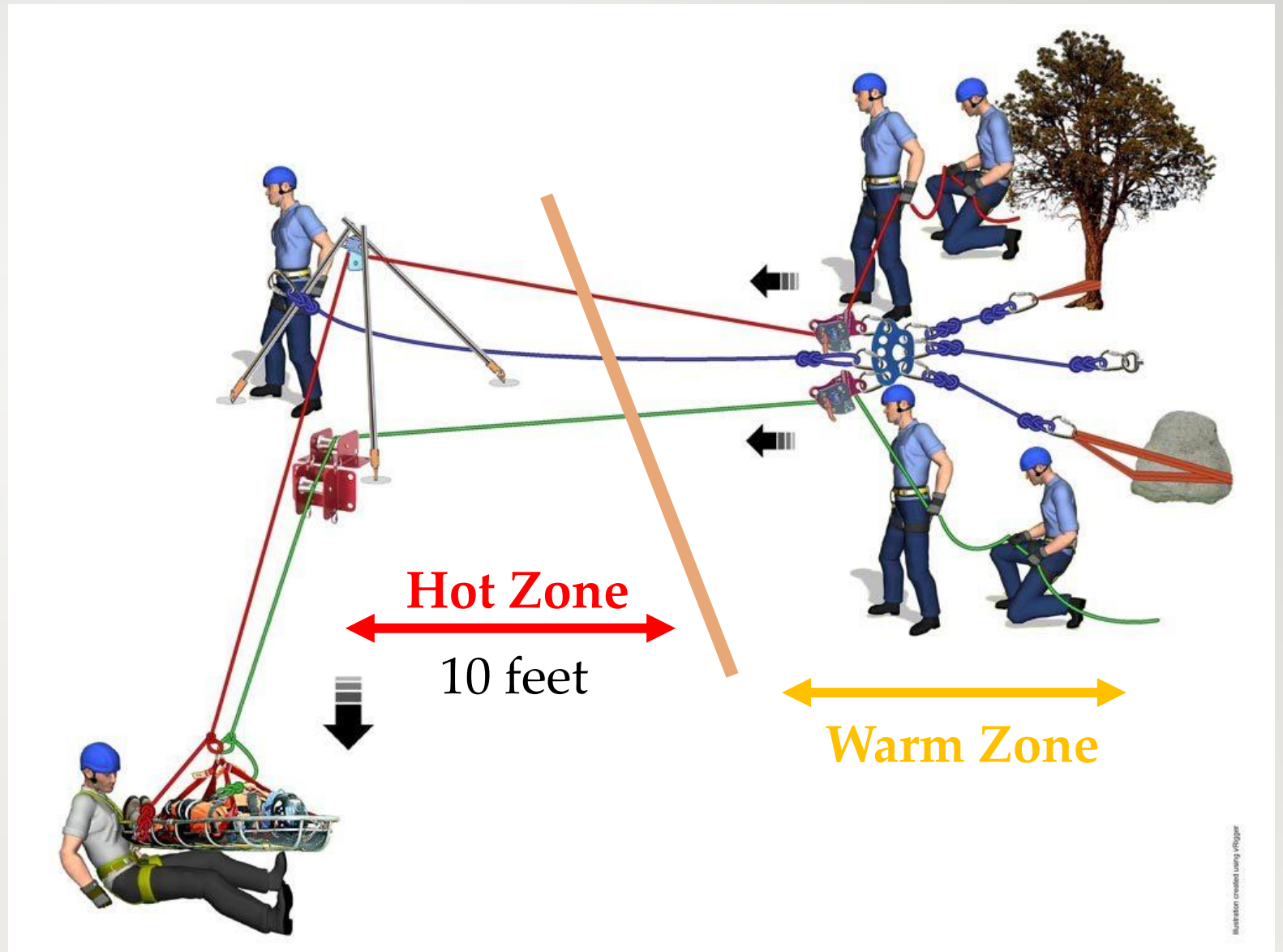
TIME

Rescue Zones



Rope Systems Review

- Main Line
- Belay Line
- Mirrored
- AHD
- Fall Restraint
- Rope Pro



Low and High Angle Definitions

- Low Angle
 - The majority of your weight is supported by you.
- High Angle
 - The majority of your weight is supported by the rope system.



FALL ARREST
VS
FALL RESTRAINT

On Rope Fall Arrest Standards Level 1 vs Level 2

- Level 1
 - 1 point of contact to rope in Hot Zone
 - Class 2 Harness (Possible Class 1 Harness if approved by IC or Team Lead)
 - Main and Belay (Possible Main or Belay only if approved by IC or Team Lead)
- Level 2
 - 2 points of contact to rope at all times in the Hot Zone
 - Class 3 Harness (Class 2 if approved by IC or Team Lead)
 - Main and Belay always
 - Redundant Anchor Points or Anchor Connection Points

PPE Harnesses

- Class 1 = Belt
- Class 2 = Seat
- Class 3 = Seat and Chest
- Hasty Harness = Can be used for Rescuer or Victim
 - Seat = Conscious
 - Hansen Hasty Harness (H3) = Unconscious



Prusik Knot

Good for
Rope Grab



Klemheist

Good for
Webbing



Autoblock Knot

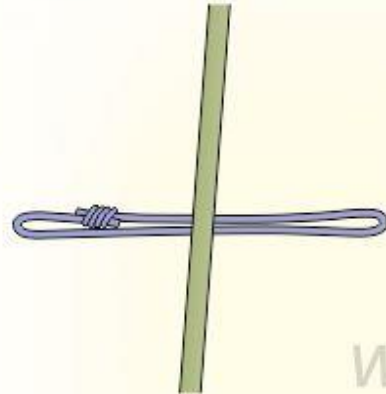


Bachmann Hitch

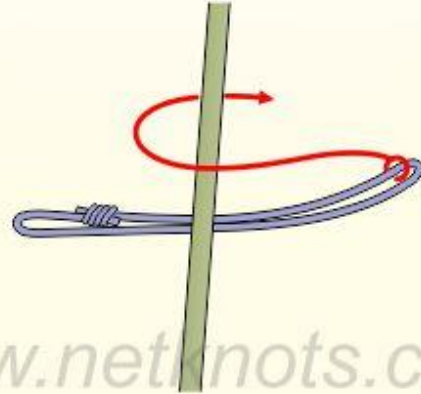
Good for
Wet

AUTOBLOCK

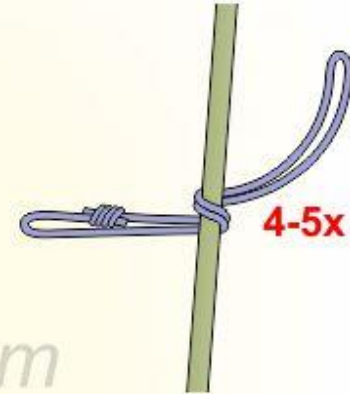
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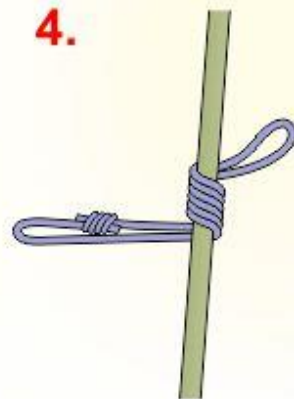
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www.netknots.com



Practice:
Hitches
Hanson
Dog Hasty

hands-on
TRAINING



Repel
Descent

Repel/Descend vs Lower

- Repel (Moving Break)
 - Faster
 - Self control of speed
- Lower (Fixed Break)
 - Allows 100% Hands Free
 - Easier use of Belay Line
- Mixed
 - Repel with manned Belay
 - Belay Backed Repel

Repel Devices

Petzl ID

Rescue 8

Munter Hitch

Backed Up Repel

Level 1

Not needed

Level 2

A must for all repel devices
Including Petzl ID

Prusik Knot



Klemheist



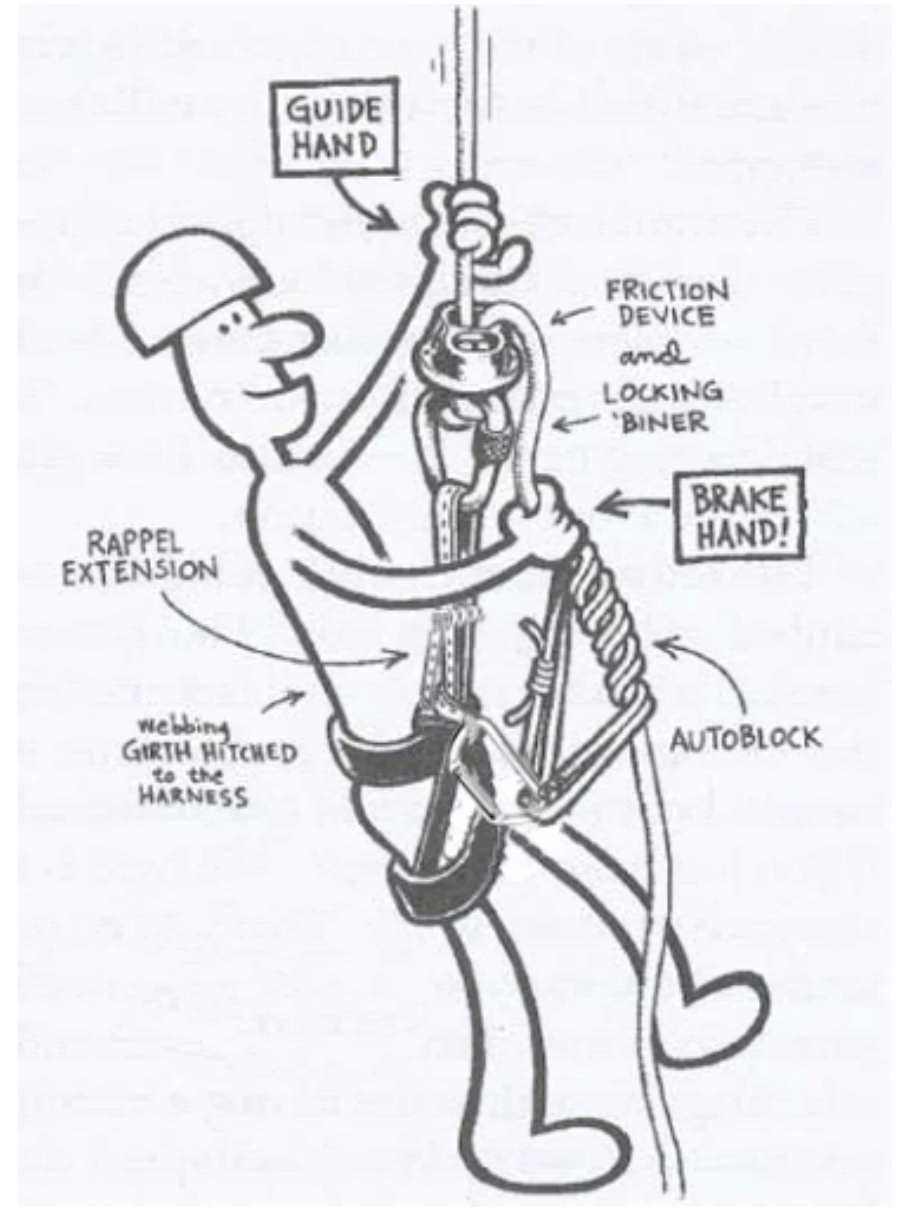
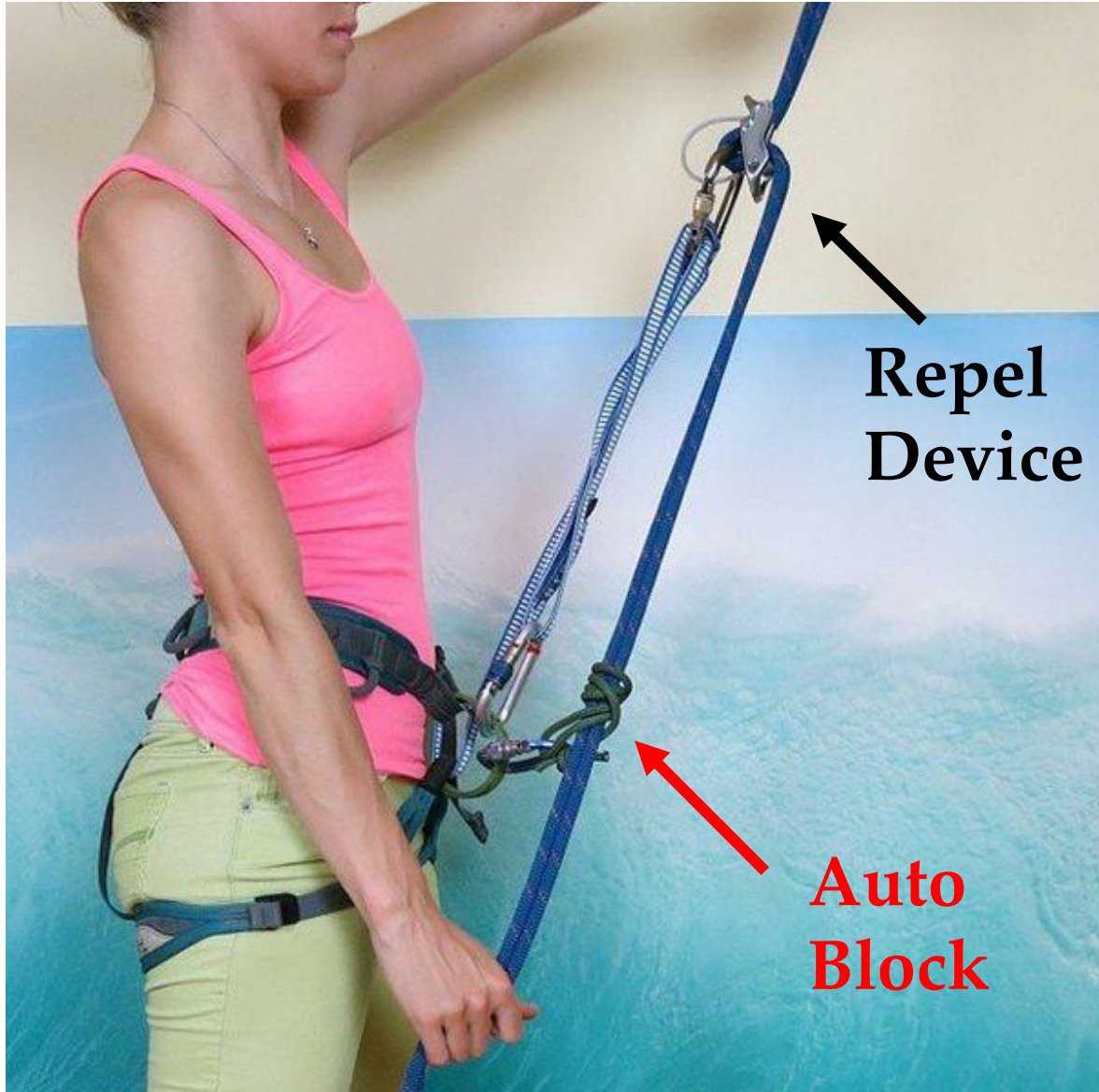
Autoblock Knot



Bachmann Hitch







Ascend vs Raise Techniques

01

Raise:

Uses Haul Team

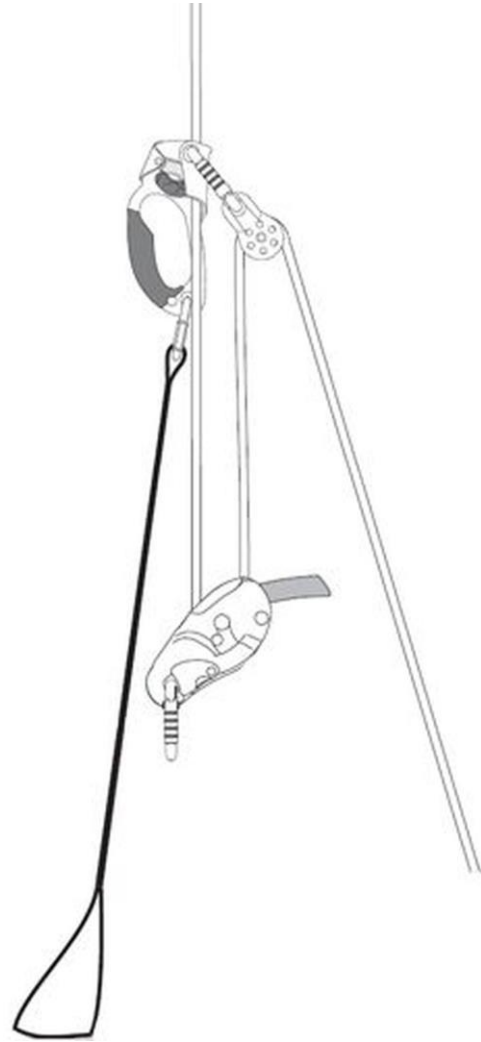
02

Ascend:

Using your own power

Ascend Techniques

- Low Angle
 - Stepping and moving progress capture device
- High Angle
 - Petzl ID, Prusik or Rope Grab
 - Foot Loop with Rope Grab & M/A



Instructor Demonstration



Get Harness
Practice:
Ascend
Descend

hands-on
TRAINING



Pick Off

RESCUER BASED (MOVING BREAK)

TEAM BASED (FIXED BREAK)

Rescuer Setup

- Belay Line Attachment (Butterflyknot) or hard tie using long tail bowline.
 - To Patient Chest Harness
 - Other Optional Equipment
 - Knife
 - Patient Harness
 - Trauma Shears
 - Helmet
- 
- Mainline Attachment
 - Pick Off Strap to Patient Seat Harness
 - AZTEK Kit







Pick Off Steps

- Harness Set Up
- Position Yourself above the victim
- Belay Connection
- DC Victim Belay
- Main Connection (Strap or Aztek)
- Load Transfer (Raise yourself or victim or lower victim)
- DC Victim Main
- Complete Rescue (Lower yourself and victim)



1st Classroom

2nd Field

hands-on
TRAINING

Field Training & Scenarios

Things to remember

- Proper PPE
- Level 1 & 2 Standards
- Rescue Zones
- Edge Safety Lines



THE END



Thank You For Attending

KEN GILDEN