

# Rigging for Trail Work - Prework

Welcome to Rigging for Trail Work!! Below is a bit of information on your class as well as a small assignment/prework to help ensure that the class is as successful as possible.

This document covers:

- Required PPE
- Tools and Equipment
- Rigging Knots to Know
- Climbing

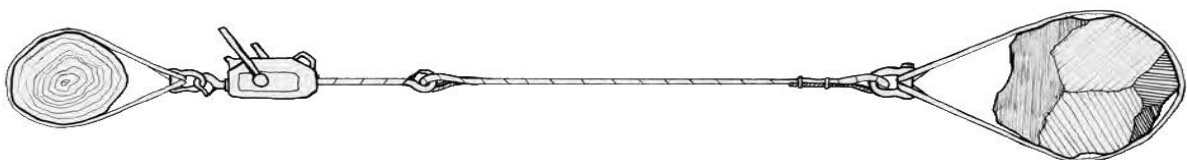
## Personal Protective Equipment

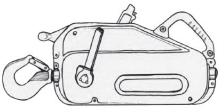
Students are expected to provide their own Personal Protective Equipment. Below is a list of required Personal Protective Equipment (PPE). Occupational Safety and Health laws require these personal protective equipment items

- Hard Hat
- Safety Glasses
- Hearing Protection
- Leather-palmed work gloves
- Rubber coated fabric work gloves (optional)
- Long sleeved work-shirt
- Long pants
- Sturdy leather boots
- Wet/Cold weather clothing (as needed)

## Tools and Equipment

Tools for the class will be provided, however, if there are specific items from your organization's cache that you have questions on, or would like practice with, feel free to bring them and we will try to integrate them into the course. This can be beneficial for familiarizing yourself with your own gear, inspecting your own gear, and for the entire group to see different equipment types and styles. Please clearly label any equipment that you bring to the training.



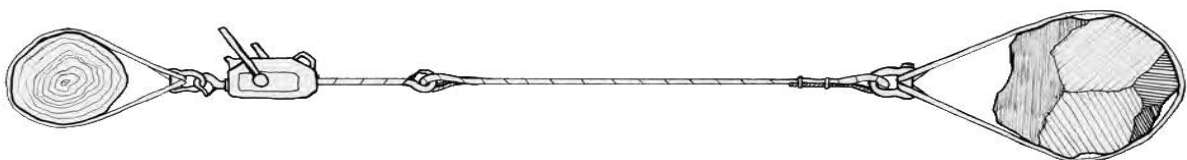


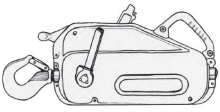
## Rigging Knots to Know

Below are nine basic knots, commonly used during rigging operations. Please familiarize yourself with the below basic rigging knots prior to class. The website [Animated Knots by Grog](#) has tutorials that can assist you in learning how to correctly tie the following knots:

- [Bowline](#)
  - <https://www.animatedknots.com/bowline-knot>
- [Bowline on a bight](#)
  - <https://www.animatedknots.com/bowline-on-a-bight-knot>
- [Double Fishermen's](#)
  - <https://www.animatedknots.com/double-fishermans-bend-knot>
- [Timber Hitch](#)
  - <https://www.animatedknots.com/timber-hitch-knot>
- [Tensionless Hitch](#)
  - <https://www.animatedknots.com/tensionless-hitch-knot>
- [Figure-8](#)
  - <https://www.animatedknots.com/figure-8-knot>
- [Prusik](#)
  - <https://www.animatedknots.com/prusik-knot>
- [Alpine Butterfly](#)
  - <https://www.animatedknots.com/alpine-butterfly-loop-knot>
- [Water Knot \(webbing\)](#)
  - <https://www.animatedknots.com/water-knot>

Please take time to practice tying all knots prior to the course. We will reference them throughout the class and refresh your tying skills as needed. Please bring a length of 4-5mm rope to the course to practice tying knots with.





## Climbing

Your skill set is valuable, and your experience will allow us to set systems up more efficiently and allow other class participants more time throughout the training to practice climbing. Additionally, having a variety of climbing gear exposes students to what equipment is commercially available. Please contact the instructor prior to the class if you are a climber.

If you are not a USFS-certified tree climber and desire to be, please visit the USFS tree climbing webpage to begin gathering information. [USDA Forest Service—National Tree Climbing Program](#). Contact your tree climbing coordinator for more information regarding courses near you in the future.

We Look forward to seeing you in the course!

Please reach out to the instructor(s) with any questions prior to the course.

