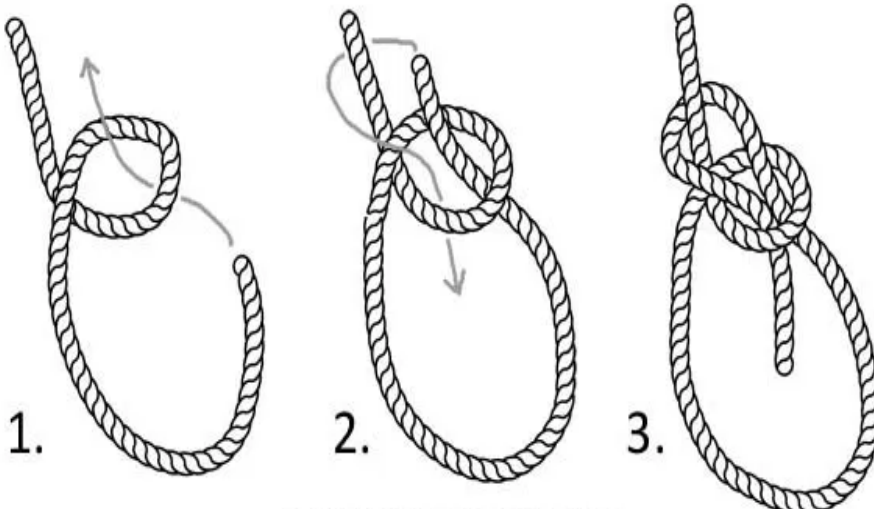


# Felix Ventures Foundation

Skills Day: Knots, Hatchet and Knife Safety, and Fire building

## KNOTS

### Bowline



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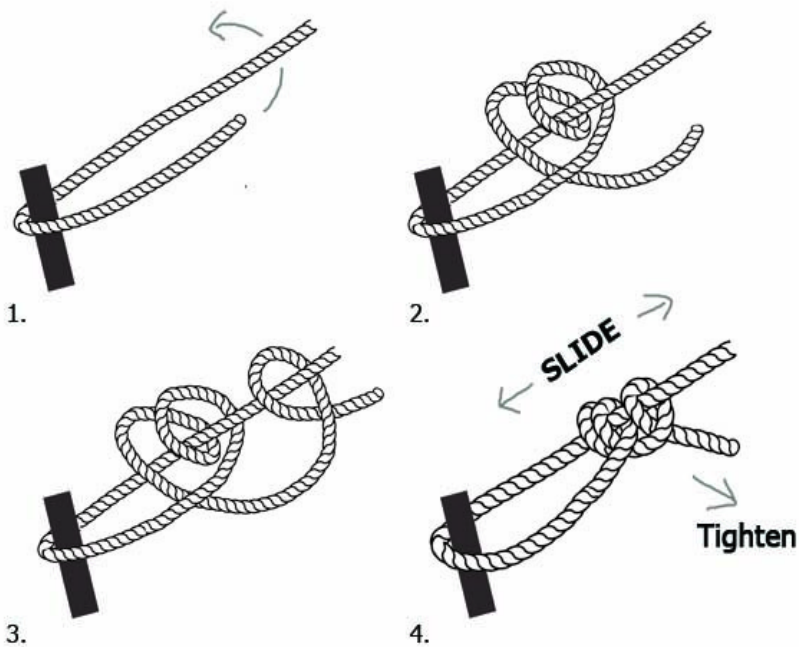
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### Taut Line Hitch



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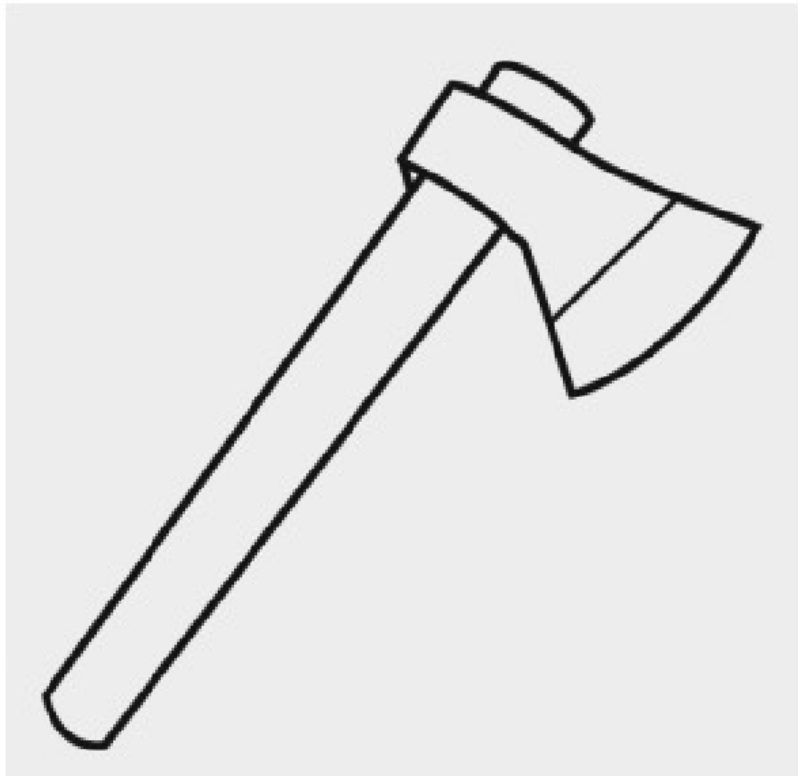
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## KNIFE AND HATCHET SAFETY



1. The first 2 things you must do to keep your tools safe is to keep it \_\_\_\_\_ and \_\_\_\_\_.

2. When making shaving or cutting wood you must first check \_\_\_\_\_  
\_\_\_\_\_ AKA \_\_\_\_\_ and let people  
\_\_\_\_\_.

3. Always close a knife or sheath a hatchet when passing tools to others. If you must pass and open tool keep complete control of the \_\_\_\_\_ and the handle out towards the other person.

4. Always keep \_\_\_\_\_ contact with the other person and only release the tool after you see the other person \_\_\_\_\_ the tool, make \_\_\_\_\_ contact with you and release the tool only after they say \_\_\_\_\_ and you respond \_\_\_\_\_.

## Time to Gather Your Wood

You'll need three basic types of materials to build your roaring campfire: tinder, kindling, and fuel wood.

### Tinder – 1. Shavings/ Pine Needles/ Leaves / Lint

Every good campfire starts with good tinder. Tinder catches fire easily, but burns fast. Material like dry leaves, dry bark, wood shavings, dry grass, and some fluffy fungi make for good tinder. If you're a smart camper, you'll bring your own tinder in the form of dryer lint or [homemade char cloth](#). Bringing your own tinder is especially important when everything outside is wet. Believe it or not, wet tinder does not catch on fire.

### Kindling – 2. Pencil Sized Twigs & 3. Thumb Sized Branches

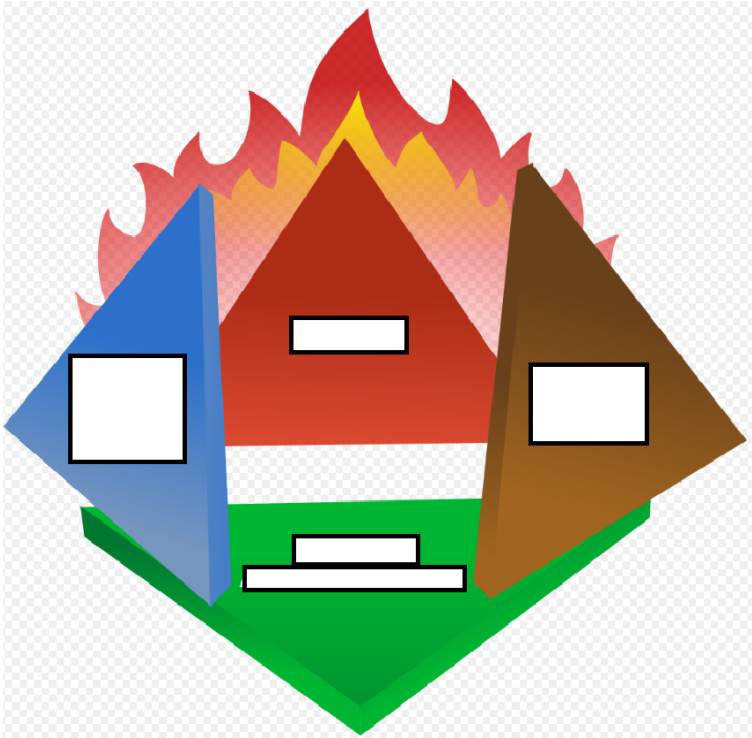
Tinder burns fast, so you'll need something with more substance to keep your flame going. You can't move directly to big logs. You'll just smother your little flame. That's where kindling comes in. Kindling usually consists of small twigs and branches. Go for something that's about the width of a pencil. Like tinder, kindling needs to be dry or else it won't burn as easily. If all you have are wet twigs and branches, try whittling away the damp bark [with your pocket knife](#).

### Fuel Wood – 4. Wrist Sized Branches & 5. Leg Sized Logs

Fuel wood is what keeps your fire hot and burning for a long period usually over 30 mins to two hours. Contrary to popular belief, fuel wood doesn't have to look like the huge logs you use in a fireplace. If you go too big, it's going to take a long time for the wood to catch fire. Look for branches that are about as wide as your wrist or your forearm.

# FIRE BASICS

## The 3 Components of a Fire:



- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

In an environment that allows the

\_\_\_\_\_

### HEAT/ SPARK source in the wilderness:

_____	_____
_____	_____

### OXYGEN source in the wilderness:

_____	_____
_____	_____

### FUEL source in the wilderness:

_____	_____
_____	_____

# **FIRE BIULDING**



**Lean to**

## **3 Fire Formations:**

Weather \_\_\_\_\_

NOTES: \_\_\_\_\_

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**Log Cabin**

Weather \_\_\_\_\_

NOTES: \_\_\_\_\_

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**Teepee**

Weather \_\_\_\_\_

NOTES: \_\_\_\_\_

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