

KNOT TYING

Duct tape is certainly a great invention, but it's no substitute for a rope and a good knot. Knowing how to tie a few good knots is a skill that will tremendously help you through the coming years.

FLIP OVER FOR YOUR NEXT CHALLENGE



EARN THIS NUGGET

Learn to tie the four knots in the following pages and demonstrate them to your parents.

PERIOD 3

TASK 4

Learning these knots will be a great asset to your life, don't just learn them for a Nugget, but stay familiar with them so when you need to secure something, you'll have the skill at your fingertips. At risk of being called a spoiler, there are tasks coming up that will require a knowledge of knots if you are going to do them well. As with any skill, you either use it, or you lose it. So stay familiar with this skill, my Rockhopper friend, and be prepared to get things tied up.



KNOT TYING

THE OVERHAND KNOT

Lets start with the basics. The Overhand Knot is a very common knot used as a stopper knot. In other words, if you thread the rope through a hole, and you don't want the rope to come back out of the hole, you would use a stopper knot.



Begin by making a simple loop in the rope.



Next, thread the end through the loop.



Pull the knot tight, and you have a perfect Overhand Knot.



In this example, you can see how effective this simple knot can be.

THE OVERHAND SLIP KNOT

The Slip Knot is very similar to the Overhand knot, but it has one distinct difference--its ability to slip undone easily when you want it to.



You will loop this rope just as you did the Overhand Knot.



This time, instead of passing through the end, you will pass through a loop.



Tug the knot tightly before the end pulls through the knot.



The knot works just as well as a "Stopper Knot."



A good tug on the loose end and the knot will fall out.



KNOT TYING

REEF KNOT

A knot commonly used to join two ropes together is the Reef Knot, it is also known as the Square Knot by many people.



Lay two ropes along side of each other.



Twist one rope around the other, and bring both ends so that they are pointing upwards



Cross the two ends over each other to form a loop and slide one end through the loop



Pull the knot tight to complete

DOUBLE FISHERMEN'S BEND



Begin by laying the two ropes parallel to one another.



Next cross one rope over the other and pinch between thumb and fore finger



Run two Circuits around the other rope, make sure that these loops are to towards the end of the rope.



Pull the rope end through the two loop circuits that you made and pull tight.



Now we will repeat the same steps on the other rope.



KNOT TYING

DOUBLE FISHERMEN'S BEND...CONTINUED



Run two circuits around the other rope, making sure that these loops are to towards the knot on the previous rope.



Pull the rope end through the two loop circuits that you made.



The rope should now look like this with two knots spaced apart from one another.



Pull the two lengths of rope together, to move the two knots together. This rope is now ready to use



CLASSIC SLIP KNOT

The Classic Slip Knot is a very affective knot that can be placed around an item and will tighten more and more with added tension.



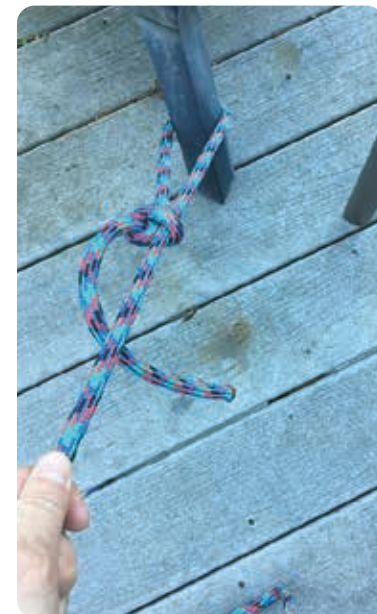
Begin by looping the rope a couple of times on the ground.



Pull the outer loop through the inner loop



Tighten the knot and your loop is ready to use.



This self-tightening loop has many uses. The harder you pull it, the tighter the loop becomes. Be careful with this though, don't put it around a body part or use it as a leash, it can tighten and cause an injury