



Troop 32

Knot Master Checklist



Scout's Name _____ **Current Rank** _____ **Patrol** _____

	Knotter - Level 1 (Orange)	OK	DATE	MASTER
1	Square Knot (T, P, B) AND Thief Knot			
2	Overhand Knot AND Figure-8 Knot			
3	Slip Knot (no nooses, there IS a difference!)			
4	Lark's Head			
5	Whipping* (Common** OR West Country OR Sailmaker's)			

* - whipping must be performed on natural fiber rope with waxed thread. ** - Bight or loop method OK.

	Bender - Level 2 (Red)	OK	DATE	MASTER	
1	Sheet Bend (2 nd , P)				
2	Carrick Bend				
3	Fisherman's OR Albright Knot (F)				
4	Common Bowline (Two-handed AND One-handed) (P, B, 1st)				
5	Rope Material - Name 3 natural fiber, 3 synthetic rope materials				
	Hitcher - Level 3 (Yellow)	OK	DATE	MASTER	
1	Two Half Hitches (T, B)				
2	Taut-Line Hitch (T)				
3	Clove Hitch (P, B, 1st) AND Constrictor Hitch				
4	Timber Hitch (1st)				
5	Sheepshank (P)				
6	Knot Terms - Describe Working & Standing Parts/Ends, Bight, Crossing Turn, Dress, Capsize, Jam, 3 Rules of a Good Knot.				

	Lasher - Level 4 (Blue)	OK	DATE	MASTER
1	Square Lashing (1 st , P)			
2	Diagonal Lashing (1 st , P)			
3	Shear Lashing (1 st , P)			
4	Round Lashing (P)			
5	Rope Components - Describe Braided, Stranded, Filament/Yarn/Strand, S-laid vs. Z-laid			

	Knot Master, Troop - Level 5 (Purple) [+ rules]	OK	DATE	MASTER
1	Bowline on a Bight AND Water Bowline			
2	Highwayman's Hitch AND Mooring Hitch			
3	Alpine Butterfly Loop AND Figure-8 Follow Thru (C)			
4	Alpine OR Figure 8 Coil or Unnamed Coil – see Mr. Baldus			
5	Trucker's Hitch (your choice of FIXED loop)			
6	Tie three (3) OTHER knots from Knots of Choice List			

	Knot Master, Mentor - Level 6 (Black)	OK	DATE	MASTER
1	Tie eight (8) knots from Mentor Knots List			
2	Optional: Teach a practical knot to a mentor and explain why you like it / how you use it			

	Knot Master, Splicer - Level 7 (Green)	OK	DATE	MASTER
1	End Splice* (P)			
2	Eye Splice* (P)			
3	Short Splice* (P)			
4	Stopper Knot (Double Overhand OR Ashley's Knot OR Stevedore)			
5	Tie two (2) knots from Mentor Knot List			

* - can be made at home then presented & may use fid and/or tape for splices

Knots of Choice (strike thru completed knots): **Mentor Knots** (strike thru completed knots):

Anchor Bend	Adjustable Grip Hitch
Buntline Hitch	Blood/Barrel Knot (F)
Daisy (Monkey) Chain Sennet	Boa Knot
Figure-8 Directional Loop	Double Fisherman's Knot (C & F)
Flemish/Figure-8 Bend	Halter Hitch
Improved Clinch Knot (F)	Icicle Hitch
Midshipman's Hitch	Jar/Jug Sling/Hackamore
Mooring Hitch	Knife Lanyard/Diamond Knot
Palomar Knot (F)	Lapp Knot
Pedigree Cow Hitch	Monkey's Fist
Perfection/Angler's Loop (F)	Prusik Knot
Simple Simon (under version)	Scaffold Knot
Snuggle Hitch	Solomon Bar/Cobra Knot
Surgeon's Knot (F)	Trident Loop
Surgeon's Loop (F)	True Lovers/Homer Rhodes Loop (F)
Tape (Water) Knot	Turquoise Turtle (shoelace knot)
Turk's Head	Uni Knot / Duncan Loop
Turle Knot (F)	Vice Versa Bend
	Zeppelin/Rosendahl Bend

Knot Master Addendum

The Knot Master program is an optional program that exercises and tests your knowledge of knotting lore. It does NOT replace your Green Sheet. The program consists of a series of levels that become increasingly difficult. For each level, or rank, you will be expected to demonstrate your expertise. Upon completing a given level you will be awarded a small length of cordage whipped with colored thread associated with that level. The cordage can be worn with either regular uniform, provided it is tied to a small carabiner (using a Lark's Head knot) and is attached to your right-hand side belt loop. To pass each knot test you will be given two (2) chances to tie the knot. You must also describe the type of knot and what it is used for.

Legend:

- S, T, 2nd, 1st = required for that specific Rank
- B = required for Small Boat Sailing MB
- C = required for Climbing MB
- F = required for Fishing MB
- P = required for Pioneering MB

Rules:

- Scout must tie knot in one or two attempts (else try knot again next week).
- Scout must dress knots, whippings, lashings, splices and coils correctly.
 - Scout must tell knot use and type (hitch, bend, fixed loop, adjustable loop, stopper, shortening, ornamental).
- Scouts working on Levels 5, 6 & 7 are required to select knots from one of two lists:
 - "Knots of Choice" and "Mentor Knots". When tied correctly, Knot Master "strikes thru" each knot from list.
- Scouts should use resources below to learn knots.
- † Troop Knot Masters, Level 5, are authorized to teach, test & sign off Levels 1 through 5.

Notes:

Many knots have multiple names, some names apply to different knots. If you don't know, ask! Also, some knots are named generically or incorrectly. For example, the Fisherman's Knot is actually a bend.

Red Sheets do not expire (like the 3 months expiration for Green Sheets). It may happen that you are not able to complete a Red Sheet before a new version of the requirements are released. The transition from the current version to a new version will take place on a level boundary. (i.e. finish the requirements for a partially completed rank BEFORE adopting the new version). Your Red Sheet will be marked to indicate this.

Patch:

The Knot Master patch will be presented to all who attain the level of Knot Master Mentor.

Resources:

Mentors -

Available on a limited basis to teach you. Self-study and constant practice will be necessary.

Books -

"The Complete Book of Knots" by Geoffrey Budworth

"The Ultimate Encyclopedia of Knots and Ropework" by Geoffrey Budworth (author has several books)

"The Little Book of Incredibly Useful Knots" by Geoffrey Budworth & Jason Dalton

"The Morrow Guide to Knots" by Mario Bigon and Guido Reggazoni

"Ashley's Book of Knots" by Clifford Ashley (the "bible" of knots, but NO tying instructions)

"Knots" by Gordon Perry

"Handbook of Knots" by Des Pawson (author has several books)

"The Everything Knot Book" by Randy Penn

Knot Education Websites (w/tutorials) -

Good introductory:

<http://animatedKnots.com> [aka Grog Knots app—modest purchase price]

Knots 3D—available through App Store [modest purchase price]

<http://en.wikipedia.org/wiki/Knots>

http://en.wikipedia.org/wiki/List_of_knots

Additional:

<http://www.folsoms.net/knots>

http://www.asiteaboutnothing.net/cr_most-useful-knots.html

<http://www.fieggen.com/shoelace/index.htm>

<http://www.survivalworld.com/knots/index.html#.UsCUvXn4aII>

<http://www.southee.com/Knots/>

Knot Society Websites (w/forums) -

www.igkt.net International Guild of Knot Tyers

www.khwww.net Knot Heads World Wide (registration required)

Troop History: This program was implemented in Troop 32 by Mr. Bleibaum who was inspired by Troop 90, Troop 395, Troop 597 Knot Master Programs and the Knot Master Handbook, Louisiana Purchase Council, Beauregard District, Troop 431. It was modified in early 2018, then updated and clarified in 2022 by Mr. Baldus and Mr. LeRoy.