

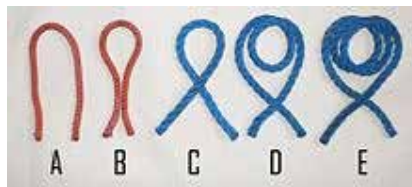


## KNOTS

Before completing this charm, girls should have completed the Wild Wonders Patch.

A knot is an intentional complication in cordage which may be practical, decorative, or both. Practical knots are classified by function. Knots have excited interest since ancient times for their practical uses, as well as their topological intricacy, studied in the area of mathematics known as knot theory.

Practice, practice practice! It's the only way to learn the proper way of doing the knot and putting it to use.



**Review components to understand how to tie knots.**

A: open loop, B: closed loop, C: turn, D: round turn, E: two round turns.

### DAISY (GRADES K-1)

- » Learn to tie an [overhand knot](#).
- » Learn to tie a [square knot](#).
- » Learn to tie a [slip knot](#).
- » Learn what each of these knots are used for.
- » Use the knots you've learned to tie a friendship bracelet and exchange with a troop mate.
  - [Friendship bracelet](#) with overhand knots

### BROWNIE (GRADES 2-3)

- » Review overhand, square, and slip knots.
- » Learn to tie a [larks head](#) or cow hitch.
- » Learn to tie a [clove hitch](#).
- » Learn what each of the knots are used for.
- » Practice each of the knots in a "real life" setting or make a friendship bracelet.
- » Practice "[hanking](#)" your rope when you're not using it.

### JUNIOR (GRADES 4-5)

- » Review overhand, square, slip, larks head knots and their uses.
- » Review the [clove hitch](#).
- » Learn the bowline knot and their uses.
- » Learn the [figure eight](#) knot and what it is used for.



WILD WONDERS

- » Learn the [water](#) knot and what it is used for.
- » Learn the [double overhand](#) knot and what it is used for.
- » Learn the [highwayman's hitch](#) and what it is used for.
- » Make a bracelet using paracord and this [easy bracelet](#) guide. When you've mastered it, try something harder.
- » Teach the skills you have to a younger troop and help them earn their knot charm.

### CADETTE (GRADES 6-8)

- » Review overhand, square, slip, larks head, clove hitch, bowline, figure eight, water, double overhand, highwayman's hitch and "hanking."
- » Learn a [sheet bend](#) knot and its uses.
- » Learn the [double figure eight](#) knot and its uses.
- » Learn the [tauntline hitch aka adjustable grip hitch](#) and its uses.
- » Visit the website "[animated knots](#)" and discover many other knots you can use.
- » Make a [survival paracord bracelet](#).
- » Practice your knot skills while camping or hiking.
- » Teach the skills you have to a younger troop and help them earn their knot charm.
- » Have a "knots relay" game with your troop or family.

### SENIORS AND AMBASSADORS (GRADES 9-12 + ADULTS)

- » Review overhand, square, slip, larks head, clove hitch, bowline, figure eight, water, double overhand, highwayman's hitch, sheet bend, double figure eight, adjustable grip hitch/tauntline hitch, and "hanking."
- » Visit the website "[animated knots](#)" and learn at least five other knots you find most useful.
- » Learn which knots you need to know for lashing.
- » Make a paracord bracelet using at least 3 different knots.
- » Use your knot skills on a camping, hiking or backpacking trip.
- » Learn at least two knots that could be used to set up and tighten down a tarp/shelter.
- » Set up a tarp/shelter using knots. (Bonus, sleep in your shelter for 1 night.)
- » Teach three knots to younger kids to help them earn their knot charm.
- » Have a "knots relay" game with your troop or family.

### RESOURCES

The following resources will help in the completion of this charm.

- » Friendship Bracelets – [friendship-bracelets.net/tutorials/260](http://friendship-bracelets.net/tutorials/260)
- » Animated Knots – [animatedknots.com/](http://animatedknots.com/)
- » Paracord Bracelet – [instructables.com/id/Paracord-bracelet-with-a-side-release-buckle/](http://instructables.com/id/Paracord-bracelet-with-a-side-release-buckle/)
- » Knot Terminology – [animatedknots.com/terminology](http://animatedknots.com/terminology)

### BADGE CONNECTIONS

By participating and completing this Charms program, you are also on your way to earning Girl Scout badges. Purchase specific badge requirement packets at [girlscoutshop.com/ARIZONA-CACTUS-PINE-COUNCIL](http://girlscoutshop.com/ARIZONA-CACTUS-PINE-COUNCIL).

- » Daisy = Buddy Camper
- » Brownie = Brownie Cabin Camper
- » Juniors = Camper, Eco Camper
- » Cadettes = Primitive Camper
- » Seniors = Adventure Camper
- » Ambassadors = Survival Camper
- » Adults trainings available = TCC1 and TCC2

**RECOMMENDED NEXT CHARMS:**

- Knives
- Navigation
- Lashing
- Tent Camping
- Leave No Trace
- First Aid