



2024 Edition

# SCOUTMASTER BUCKY

## Climbing Merit Badge

SCOUTS PARTICIPATING IN A SCOUTMASTER BUCKY MERIT BADGE OPPORTUNITY (ONLINE OR IN PERSON), PLEASE CONSIDER ALSO USING THE CLIMBING MERIT BADGE CLASS PREPARATION PAGE FOR CLARIFICATIONS, INSIGHTS, AND EXPECTATIONS.

<https://scoutmasterbucky.com/merit-badges/climbing/climbing-cpp.pdf>

### CLIMBING MERIT BADGE WORKBOOK

**REQUIREMENT 1a:** Explain to your counselor the most likely hazards you may encounter while participating in climbing and rappelling activities and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.

HAZARD #1

**Description:**

**Anticipate:**

**Help Prevent:**

**Mitigate:**

**Respond:**



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## Climbing Merit Badge

HAZARD #2

**Description:**

**Anticipate:**

**Help Prevent:**

**Mitigate:**

**Respond:**



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HAZARD #3

**Description:**

**Anticipate:**

**Help Prevent:**

**Mitigate:**

**Respond:**



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HAZARD #4

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



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HAZARD #5

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



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HAZARD #6

**Description:**

**Anticipate:**

**Help Prevent:**

**Mitigate:**

**Respond:**



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**REQUIREMENT 1b:** Show that you know first aid for and how to prevent injuries or illnesses that could occur during climbing activities, including heat and cold reactions, dehydration, stopped breathing, sprains, abrasions, fractures, rope burns, blisters, snakebite, concussions, and insect bites or stings.

**Heat and Cold Reactions:**

**Dehydration:**

**Stopped Breathing:**

**Sprains:**



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**Abrasions:**

**Fractures:**

**Rope Burns:**

**Blisters:**





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Snakebite:

Concussions:

Insect Bites and Stings:

**REQUIREMENT 1c:** Identify the conditions that must exist before performing CPR on a person.

Notes:



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**REQUIREMENT 2:** Learn the Leave No Trace principles and explain what they mean.

### THE 7 PRINCIPLES of Leave No Trace

1. Plan Ahead & Prepare
2. Travel & Camp on Durable Surfaces
3. Dispose of Waste Properly
4. Leave What You Find
5. Minimize Campfire Impacts
6. Respect Wildlife
7. Be Considerate of Other Visitors

Notes:

**REQUIREMENT 2:** Learn the Outdoor Code and explain what it means.

### Outdoor Code

As an American, I will do my best to-

Be Clean in my outdoor manners,  
 Be Careful with fire,  
 Be Considerate in the outdoors, and  
 Be Conservation-minded

Notes:

**REQUIREMENT 3:** Present yourself properly dressed for belaying, climbing, and rappelling (i.e., appropriate clothing, footwear, and a helmet; rappellers can also wear gloves).

This requirement must be reviewed with your merit badge counselor.

**BE PREPARED!**



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### LOCATION

**REQUIREMENT 4a:** Explain how the difficulty of climbs is classified.

Notes:

**REQUIREMENT 4a:** Apply classifications to the rock faces or walls where you will demonstrate your climbing skills.

This requirement must be reviewed with your merit badge counselor.

**REQUIREMENT 4b:** Explain the following: top-rope climbing, lead climbing, and bouldering.

Top-Rope Climbing:

Lead Climbing:

Bouldering:



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**REQUIREMENT 4c:** Evaluate the safety of a particular climbing area. Consider weather, visibility, the condition of the climbing surface, and any other environmental hazards.

Notes:

**REQUIREMENT 4d:** Determine how to summon aid to the climbing area in case of an emergency.

Notes:



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### VERBAL SIGNALS

**REQUIREMENT 5:** Explain the importance of using verbal signals during every climb and rappel, and while bouldering.

Climb:

Rappel:

Bouldering:

**REQUIREMENT 5:** With the help of the merit badge counselor or another Scout, demonstrate the verbal signals used by each of the following:  
**5A.** Climbers    **5B.** Rappelers    **5C.** Belayers    **5D.** Boulders and their Spotters

This requirement must be reviewed with your merit badge counselor.



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## Climbing Merit Badge

### ROPE

**REQUIREMENT 6a:** Describe the kinds of rope acceptable for use in climbing and rappelling.

Notes:

**REQUIREMENT 6b:** Show how to examine a rope for signs of wear or damage.

This requirement must be reviewed with your merit badge counselor.

**REQUIREMENT 6c:** Discuss ways to prevent a rope from being damaged.

Notes:

**REQUIREMENT 6d:** Explain when and how a rope should be retired.

Notes:

**REQUIREMENT 6e:** Properly coil a rope.

This requirement must be reviewed with your merit badge counselor.



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## Climbing Merit Badge

### KNOTS

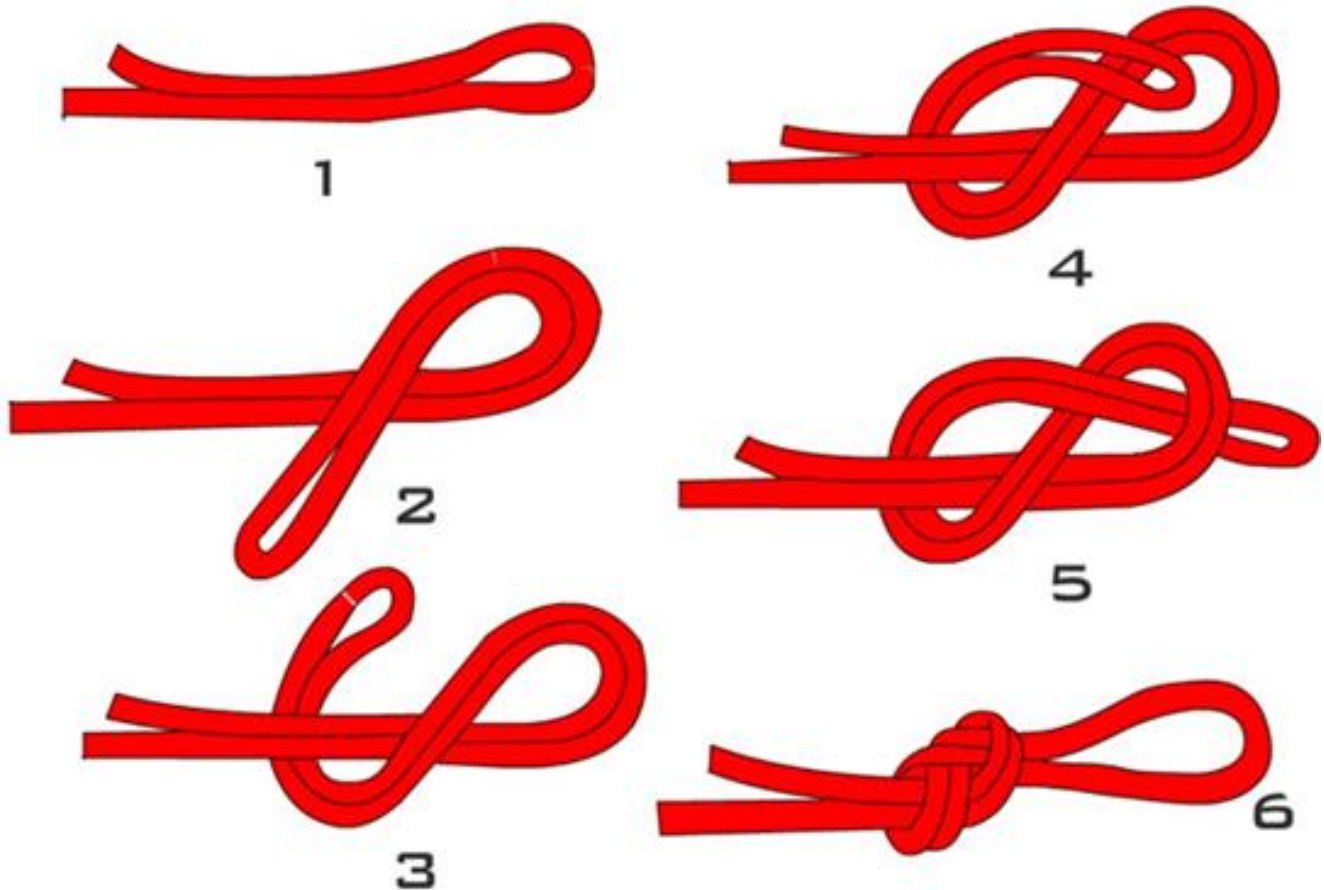
#### REQUIREMENT 7:

Demonstrate the ability to tie each of the following knots. Give at least one example of how each knot is used in belaying, climbing, or rappelling.

- Figure eight on a bight
- Figure eight follow-through
- Water knot
- Double fisherman's knot (grapevine knot)
- Safety knot.

This requirement must be reviewed with your merit badge counselor.

#### FIGURE EIGHT ON A BIGHT



How this knot is used in belaying, climbing, or rappelling:



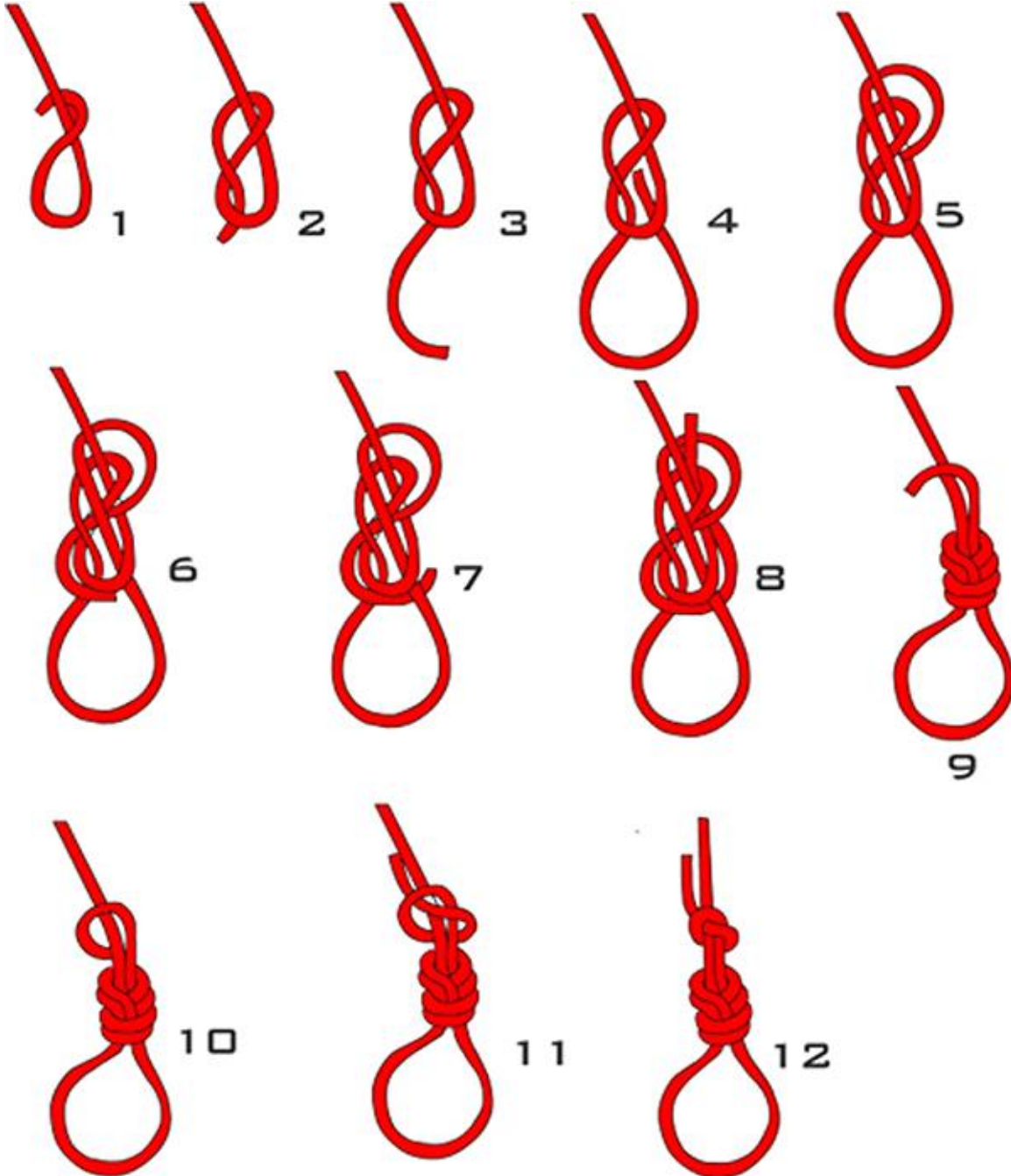
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This requirement must be reviewed with your merit badge counselor.

### FIGURE EIGHT FOLLOW-THROUGH



How this knot is used in belaying, climbing, or rappelling:





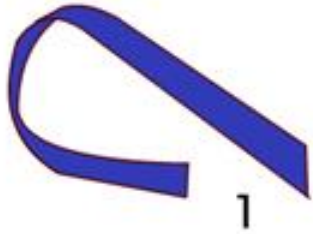
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This requirement must be reviewed with your merit badge counselor.

### WATER KNOT



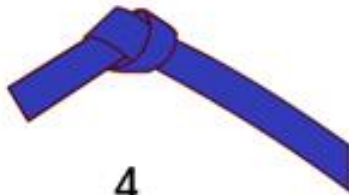
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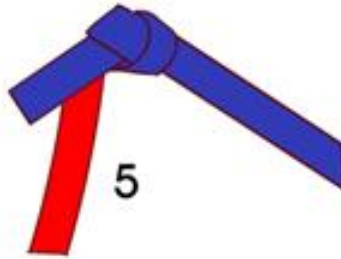
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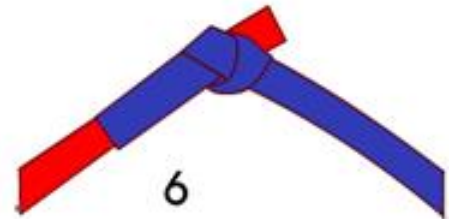
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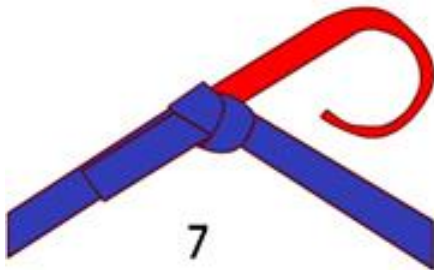
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5



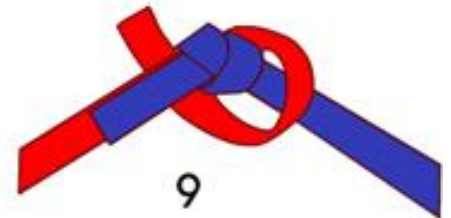
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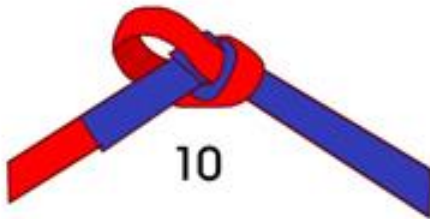
7



8



9



10



11

How this knot is used in belaying, climbing, or rappelling:



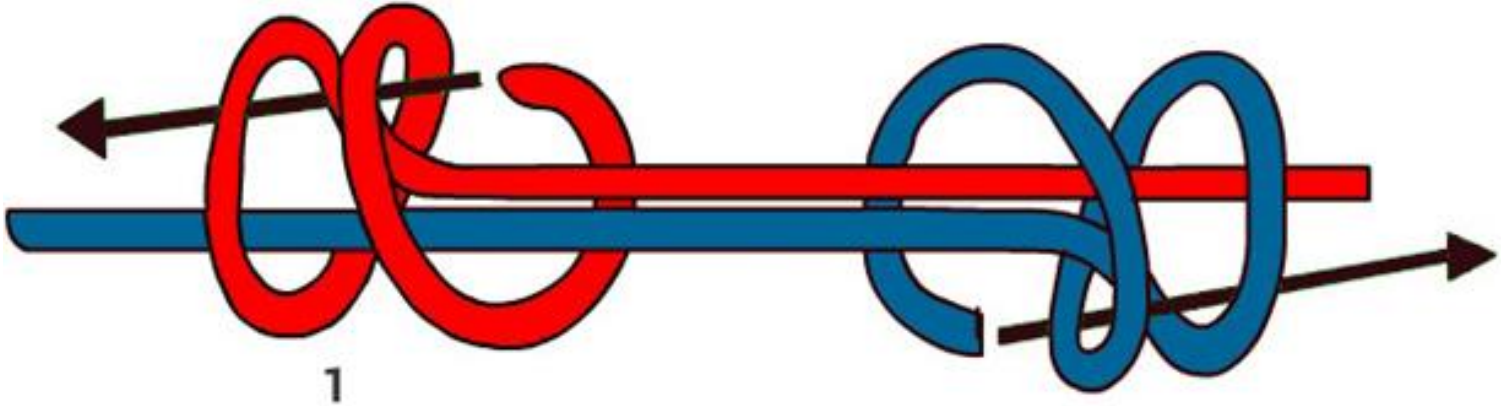
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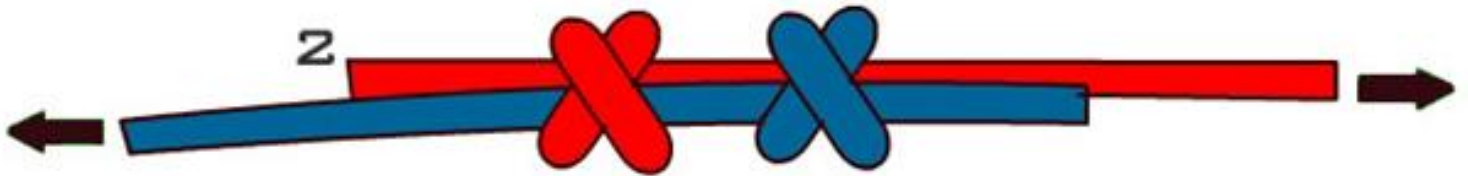
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This requirement must be reviewed with your merit badge counselor.

### DOUBLE FISHERMAN'S KNOT (GRAPEVINE KNOT)



1



2

How this knot is used in belaying, climbing, or rappelling:



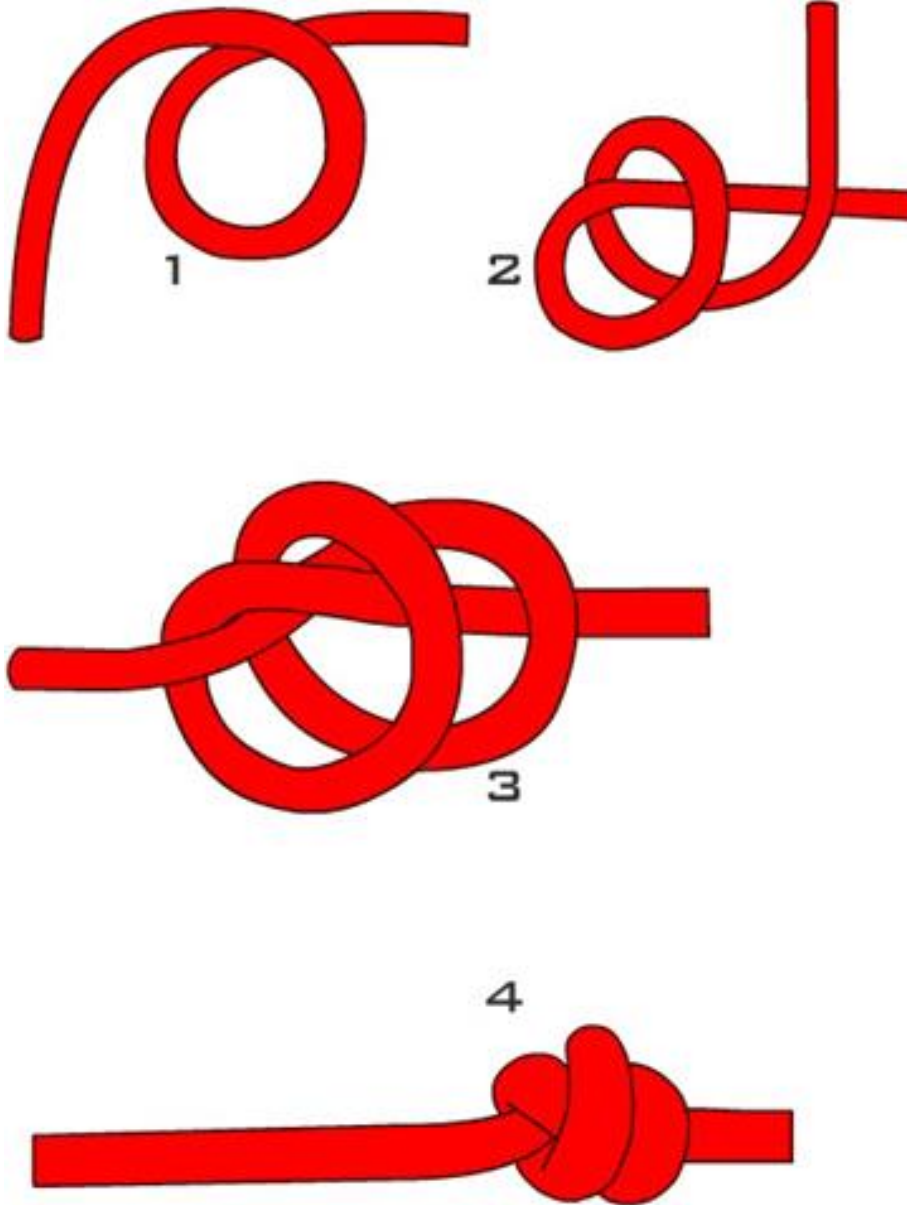
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## Climbing Merit Badge

This requirement must be reviewed with your merit badge counselor.

### SAFETY KNOT



How this knot is used in belaying, climbing, or rappelling:



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## Climbing Merit Badge

### HARNESSES

**REQUIREMENT 8:** Correctly put on a commercially made climbing harness.

This requirement must be reviewed with your merit badge counselor.

### LOCATION

**REQUIREMENT 9a:** Explain the importance of belaying climbers and rappellers and when it is necessary.

Notes:

**REQUIREMENT 9b:** Belay three different climbers ascending a rock face or climbing wall.

Climber #1:

Date:

Location:

Climber #2:

Date:

Location:

Climber #3:

Date:

Location:



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**REQUIREMENT 9c:** Belay three different rappellers descending a rock face or climbing wall using a top rope.

Rappeler #1:

Date:

Location:

Rappeler #2:

Date:

Location:

Rappeler #3:

Date:

Location:

### CLIMBING

**REQUIREMENT 10a:** Show the correct way to directly tie into a belay rope.

This requirement must be reviewed with your merit badge counselor.

**REQUIREMENT 10b:** Climb at least three different routes on a rock face or climbing wall, demonstrating good technique, and using verbal signals with a belayer.

This requirement must be reviewed with your merit badge counselor.

Route #1:

Date:

Location:

Route #2:

Date:

Location:

Route #3:

Date:

Location:



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### RAPPELLING

**REQUIREMENT 11a:** Using a carabiner and a rappel device, secure your climbing harness to a rappel rope.

This requirement must be reviewed with your merit badge counselor.

**REQUIREMENT 11b:** Tie into a belay rope set up to protect rappellers.

This requirement must be reviewed with your merit badge counselor.

**REQUIREMENT 11c:** Rappel down three different rock faces or three rappel routes on a climbing wall. Use verbal signals to communicate with a belayer, and demonstrate good rappelling technique.

This requirement must be reviewed with your merit badge counselor.

Rappel Route #1:

Date:

Location:

Rappel Route #2:

Date:

Location:

Rappel Route #3:

Date:

Location:

**REQUIREMENT 12:** Demonstrate ways to store rope, hardware, and other gear used for climbing, rappelling, and belaying.

This requirement must be reviewed with your merit badge counselor.