

Pioneering Merit Badge Worksheet



Requirement 1

- Make a gadget for making rope, using local materials.
- With this gadget make a 20-foot rope, ½ inch or more in diameter.
- Whip the ends.
- Hand coil a length of rope.

Requirement 2

Explain the following:

Kinds of Rope: _____

Care for Rope: _____

Weakening Effect of Knots: _____

Requirement 3

Tie twelve knots and hitches and explain how to use them in pioneering. List the twelve knots and hitches you tied.

1. _____ - _____
2. _____ - _____
3. _____ - _____
4. _____ - _____
5. _____ - _____
6. _____ - _____
7. _____ - _____
8. _____ - _____
9. _____ - _____
10. _____ - _____
11. _____ - _____
12. _____ - _____

Scout Name _____ Unit # _____ Date _____

Requirement 4

Make the following splices and explain the uses of each.

- Short Splice - _____
- Long Splice - _____
- End Splice - _____
- Eye Splice - _____

Requirement 5

Lash spars together properly using the following:

- Square Lashing
- Diagonal Lashing
- Shear Lashing

Requirement 6

Design, have the design approved, and construct any of the following: Bamboo Bridge, Signal Tower, Money Bridge, Raft, Shelter.

Design the project below:

Counselor Approval of the Design: _____

Unit Leader Approval of the Design: _____

Scout Name _____ Unit # _____ Date _____

Explain the principles involved in the construction: _____

Request the members of your patrol to assist in the construction.

Requirement 7

Do any three of the following:

- Make a three strand turk's head neckerchief slide.
- Show how to make a camp kitchen.
- Explain and demonstrate pioneering anchorages for different projects in various types of soil.
- Demonstrate Patrol leadership in constructing a pioneering project designed by you.
- Make and submit two-(2) scale models of pioneering projects.