



GOLDER RANCH FIRE DISTRICT

Firefighter I and II Practical Skill Sheets

Ropes and Knots

Standard:

NFPA 1001: 4.1.2, 4.3.20 (2019 Edition)

Task/Performance Outcome:

The candidate shall describe the use, design, benefits and disadvantages of a variety of ropes. The candidate shall also demonstrate the ability to tie the approved knots.

Required Personal Protective Equipment (PPE):

Class C Uniform, helmet, structure gloves.

Required Equipment:

- Utility Rope

Critical Fail Criteria:

Failure consists of the following:

- Failure to wear the required PPE.
- Failure to physically address their accountability on the passport of their assigned apparatus.
- Glaring, gross errors, as documented by the evaluator.
- An apparent lack of efficiency and comfort with the activity, as documented by the evaluator.
- Less than 80% of available points scored.

Evolution Details:

You have been provided a controlled and safe environment to tie and display the knots specified by the evaluator. All the necessary equipment to complete this task is available to you.



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Actions	Points Available	Points Earned	Time (seconds)
Describe the use, design, benefit, and disadvantage of each rope			
Kernmantle	4		
Polypropylene	4		
Natural Fiber	4		
Total points	12		
Demonstrate the parts of a rope and knot			
Time starts upon instructor prompt			
Loop	1		/10
Round turn	1		/10
Bight	1		/10
Working end	1		/10
Running end	1		/10
Standing end	1		/10
Total Points	6		
Tie the following knots within the time allowed			
Time starts upon instructor prompt			
Figure Eight Bend with safeties	1		/75
Figure Eight Follow Through with safety	1		/60
Water Knot without gloves	1		/60
Bowline with safety	1		/45
Becket Bend with safeties	1		/45
Figure Eight on a Bight with safety	1		/30
Handcuff Knot	1		/30
Clove Hitch over an object	1		/30
Clove Hitch around a horizontal object	1		/30
Clove Hitch around a vertical object	1		/30
Half Hitch	1		/10
Overhand Knot	1		/10
Time stops when each knot is properly tied a dressed			
Total Points (24/30 to pass)	12		

Candidate: _____ Evaluator: _____ Total: ____/30

Circle one:

Pass/Fail on points/Fail on critical criteria

Comments _____

