

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-2

SKILL SHEET 8-2		Half Hitch Knot	
OBJECTIVE:		NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> A length of life safety or utility rope. 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		The student will properly tie a Half Hitch Knot	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student makes a loop in the standing part of the rope.		
	The student slides the loop over the object being hoisted. Make sure the running end passes under the working end. This must tighten against itself.		
	The student verbalizes the primary uses of a half hitch.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-7

SKILL SHEET 8-7	Figure Eight		
OBJECTIVE:	NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • A length of life safety or utility rope. 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	The student will properly tie a Figure Eight Knot		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	The student places the rope in their left palm with the working end away.		
	The student grasps the working end from between the rope and left arm.		
	The student brings the working end of the rope around the back of their left hand and follows the fingers, from the wrist to the tips, through the loop.		
	The student tightens the knot by pulling on both ends.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-8

SKILL SHEET 8-8		Figure Eight on a Bight	
OBJECTIVE:		NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • A length of life safety or utility rope. 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		The student will properly tie a Figure Eight on a Bight Knot	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student forms a bight in the rope and places it in their left palm, with the bight away from them.		
	The student grasps the working end from between the rope and left arm.		
	The student brings the working end of the rope around the back of their left hand and follows the fingers, from the wrist to the tips, through the loop.		
	The student tightens the knot by pulling on both ends.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-9

SKILL SHEET 8-9		Figure Eight Follow Through	
OBJECTIVE:		NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • A length of life safety or utility rope. • A ring or object 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		The student will properly tie a Figure Eight Follow Through Knot	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student make a basic figure eight, leaving sufficient rope on the working end to go around the object they are securing the rope to.		
	The student wraps the rope around the object to be tied.		
	The student now follows the rope back through the knot in the opposite direction.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-12

SKILL SHEET 8-12		Hoisting an Axe	
OBJECTIVE:		NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Utility Rope • Axe 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		The student will tie the appropriate knots to properly hoist an axe.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student tosses a bag of rope while securely holding the rope		
	The student ties a figure eight on a bight onto the hoisting rope. Slide the figure eight on a bight down the handle from end to head. Rope is looped under the head.		
	The student brings the rope back up the handle and secures it with two half hitches. Keeping the rope parallel to the handle		
	The tool can now be hoisted.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-12

SKILL SHEET 8-13	Hoisting a Pike Pole		
OBJECTIVE:	NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Utility Rope • Pike pole 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	The student will tie the appropriate knots to properly hoist a Pike Pole.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	The student tosses a bag of rope while securely holding the rope		
	The v ties a figure eight on a bight onto the hoisting rope.		
	Pass the bight under the pike pole and wrap the loop around the pike pole		
	Pull the figure eight through the bight and pull tight		
	The student secures two half hitches, one near the mid-point of the handle and a second half hitch just below the head of the pike pole. Keeping the rope parallel to the handle		
	The tool can now be hoisted.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-15

SKILL SHEET 8-15		Hoisting a Hoseline Charged and Uncharged	
OBJECTIVE:		NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Utility Rope • Hoseline with nozzle attached 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		The student will tie the appropriate knots to properly hoist hoselines.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student ties a closed clove hitch behind the first coupling, making sure to tie a safety knot.		
	The student takes a bight in the rope and passes it through the bale and over the nozzle.		
	The nozzle can now be hoisted via the rope.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-18

SKILL SHEET 8-18		Inspecting a Rope	
OBJECTIVE:		NFPA 1001, 4.5.1	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • A length of life safety or utility rope. 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		The student will explain and demonstrate how to properly inspect rope.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student demonstrates feeling along the rope.		
	Upon prompting, the student verbalizes that they are feeling for abrasions, discolorations or flat spots.		
	When asked what the candidate should do in the event that an issue is found with the rope, the student verbalizes that the rope should be removed from service and the officer must be notified.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-19

SKILL SHEET 8-19		Cleaning a Rope	
OBJECTIVE:		NFPA 1001, 4.5.1	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • A length of life safety or utility rope. • A location to hand the rope out of direct sunlight • A hose and water supply to rinse the rope • A bucket, mild detergent, and a soft bristle brush. 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		The student will explain and demonstrate how to properly clean rope	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student demonstrates washing the rope with a mild detergent and a soft bristle brush.		
	The student rinses the rope thoroughly with clean water.		
	The student hangs the rope to dry out of direct sunlight.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-20

SKILL SHEET 8-20	Daisy Chain		
OBJECTIVE:	NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Utility Rope 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	The student will demonstrate how to properly create a Daisy Chain.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	The candidate should double up the rope by bringing both ends together. They should tie the rope in a knot, leaving the loose ends in a short tail.		
	The candidate then makes the first chain by looping the rope as if they were making an overhand knot.		
	The candidate reaches their free hand down through the loop and pulls the rope part way through. This is the start of the second "chain link" The candidate then continues to pull the remaining rope through each successive loop until reaching the end.		
	<p>The candidate now secures the daisy chain by tying a knot with the end of the rope and the final loop.</p> <p>To undo the daisy chain, the candidate simply unties the knot, and pulls on the running end.</p>		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-20

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-21

SKILL SHEET 8-21		Creating a Drop Bag	
OBJECTIVE:		NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • A length of life safety or utility rope. • A rope bag 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		The student will demonstrate the proper steps to create a Drop Bag.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student ties a figure 8 near the end of the rope.		
	The student feeds the rope through the interior of the bag and through the grommet in the bottom of the bag.		
	The student ties a figure 8 on a bight with the tail of the rope that is sticking out of the bottom of the bag.		
	The student loads or coils the rope into the bag by starting around the outside edge and filling up the middle of the bag.		
	The student ties a figure 8 on a bight at the end of the rope and places it on the inside top of the bag and close the bag.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-23

SKILL SHEET 8-23		Coiling a Rope	
OBJECTIVE:		NFPA 1001, 4.1.2 & 4.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Utility Rope • Ladder 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		The student will demonstrate the appropriate steps to properly coil rope.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student measures a length of rope three times the distance of the ladder beams (or premade pipe rack), and secure with an open clove hitch to the left beam. This spare rope will be used to secure the finished coil.		
	The student wraps the remaining rope around the beams of the ladder until most of the rope is used. Note: Do not make the wraps so tight that they either pull through each layer or make it difficult to remove from the beams.		
	The student wraps the last section of rope around the loops (perpendicular to the original loops) and finishes by securely placing the end of the rope under the last wrap. Note: If you need to tighten the last set of wraps around the coil, do so by turning the wraps (caution—do not overtighten).		
	The student unties the clove hitch around the left beam.		
	The student uses the extra rope from the beginning to make a bight and place it through both ends of the coil.		
	The student ends up with a bight in one hand and the end of the rope in the other.		
	The student then finishes the coil by simply tying a becket bend.		

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-23

EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]	
EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 8-24

SKILL SHEET 8-24		Uncoiling a Rope	
OBJECTIVE:		NFPA 1001, 5.1.2 & 5.3.20	FEH Chapter: 8
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> Coiled Utility Rope 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		The student will demonstrate how to properly deploy Coiled Utility Rope.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The candidate unties the becket bend, and pulls the end out two or three loops to loosen the coil.		
	The candidate drops the coil. The candidate should look before dropping the coil to see if there are any hazards below (e.g., branches, trees, or wires). If it is not possible to see the bottom, the candidate should yell "rope," and then pause.. If the candidate hears "clear" or nothing, they drop the rope.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			