

Basic Fishing Equipment Matrix

See specific lessons for types and numbers of materials noted with an X.

	5:1—Freshwater Rods & Reels	5:2—Casting a Closed-face Rod & Reel Combo	5:3—Pop Can Casting	5:4—Tackling Your Tackle Box	5:7—Making Ice Fishing Jiggle Sticks	6:1—Safety & Fishing at the Water's Edge	6:2—Ice Fishing & Winter Safety
Basic Fishing Equipment							
Adult helpers	2 or more adult helpers or presenters with fishing and equipment experience	Ratio of 1 adult per 5 participants	Ratio of 1 adult per 5 participants		Ratio of 1 adult per 5 participants	Ratio of 1 adult per 5 participants	Ratio of 1 adult per 5 participants
Bait						X	Wax worms, minnows, or eurolarva
Bait casting rod and reel	X						
Bobbers		X	1 per student	One-inch round, one spring, one slip	X	X	
Bucket					X		X
Casting plugs	6	1 per group	1 per student	X			
Casting targets	6	X					
Closed-face rod and reel	3	1 per student			X	1 per student	
Current fishing regulations				X		X	X
Fillet knife				X			
Fingernail clipper			5 or 6	X	X	X	X
First aid kit				X	X	X & cell phone	X & cell phone
Fish stringer				X		X	
Fishing license				Sample		If over 16 years old	If over 16 years old
Fishing pole	X						
Fly rod and reel	X						
Hook sharpener				X			
Hooks		X	1 per student	Sizes 10, 8, 6, 2, 1, 1 per 0	X	X	X
Insect repellent				X		X	
Knot-tying rope		X	X		X		
Maps				X		X	
Needlenosed pliers			5 or 6	X	X	X	X

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Open-face rod and reel	3						
Basic Fishing Equipment (continued)							
Personal flotation device					Throwable	Throwable and wearable	Throwable and wearable
Pony spools			1 per student	X	X		X
Pop can casters	X						
Ruler				X	X	X	X
Split shot sinkers		X	1 per student	X	X	X	X
Sun protection				Sunscreen, sunglasses, hat		Sunscreen, sunglasses, hat	
Tackle				Jig, plastic worm, straight-line spinner, spinnerbait, crankbait, surface lure, spoon: one of each type, collect various sizes: snap swivel, leader	Small tackle box with lures		Basic ice fishing tackle
Ice Fishing Equipment							
Clip-on depth finder					X		X
Hand auger					X		X and power auger
Ice scoop					X		X
Ice claws					X		X
Ice hole mock-up							X
Jiggle stick	X				Variety of types: jiggle stick, jigging rod, spinning combo, tip-up, rattle reel, etc.		X
Sled					X		X
Wool blanket					X		X

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Craft Supplies							
Construction paper			X				
Paper	Journal paper						
Hardware							
Dowels					3/4" diameter, 18" lengths		
Eye screws			K-2 option		X		
Square bend screws					X		
Office Supplies							
Rubber bands					X		
Scissors			X		X		
Clipboards						X	X
Box				Tackle box			
Tape			Masking, 3-4 rolls				
Pencils	X	X				X	X
Natural Materials							
Water						Drinking water	
Household Supplies							
Clothing						Long sleeves, long pants, jacket, sturdy shoes	Rubber-soled insulated boots, wool socks, snow pants, winter coat, long underwear, turtle neck, wool sweater, mittens, thin gloves, scarf muffler or neck gaiter, stocking cap
Cups						X	For hot chocolate

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Empty, rinsed pop cans			X				
Hot beverages							X
Plastic bags				Small plastic trash bag			Trash bags
Books, Multimedia, Copy Sheets, Photos, etc.							
Copy sheets (provided in lesson)	Freshwater Rods and Reels Sheet; Freshwater Rods and Reels Crossword Sheet; Fishing Rig Fill-in-the-Blank Sheet, 1 per student	Parts of a Closed-face Rod and Reel Combo Sheet; Tying an Improved Clinch Knot Sheet; The Perfect Rigging Sheet; Fishing Rod and Reel Maintenance	Pop Can Rigging Sheet; To Cast Your Line; Tying an Improved Clinch Knot Sheet, 1 per group	Tackling Tackle Cards and Tackling Tackle Checklist, 1 per 3 students; Tackling Your Tackle Box Price List, 2 per 3 students; Fish Information Cards and Fish Tackle Cards, 1 per group	Making and Rigging a Jiggle Stick Sheet, Tying an Improved Clinch Knot Sheet & Setting Bobber Depth Sheet, 1 per group; Basic Ice Fishing Equipment Cards	Don't Get Hooked Sheet; MinnAqua Program Water's Edge Safety Overview; The Perfect Rigging Sheet, 1 per group; Safety and Site Evaluation Form; Safe Angler Certificate and Factoring in SPF Sheet, 1 per student; Factoring in SPF Answer Sheet	Dressing for Ice Fishing Word Finder Sheet; Ice Safety Sheet and Setting Bobber Depth Sheet, 1 per student
Handouts				Knot-tying cards			
Multimedia							Video: <i>Danger, Thin Ice</i> , camera and underwater camera
Pictures				Mail-order catalog for fishing equipment			
Miscellaneous Supplies							
Hula-hoops	6	1 per group	4 to 6		1 per 4 participants		
Noise maker				Whistle		Whistle	Whistle
Play money				Optional			