

Craft Materials Matrix

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

	1:1—Design a Habitat	2:1—Fish Sense	2:2—Fins: Form & Function	2:6—Adapted for Habitat	5:5—Flashy Fish Catchers
Basic Fishing Equipment					
Bucket		One 5-gallon			
Tackle				Monofilament line— for K-2 option	Variety of lures in different shapes, styles, and colors
Craft Supplies					
Confetti				X	
Construction paper	X			X	
Craft items	Pipe cleaners, feathers, felt, glitter, construction paper, modeling clay, and any other art materials you have available			Modeling clay	Pipe cleaners, wiggly eyes, fabric scraps, sequins, self-adhesive mylar, feathers, fabric scraps etc.
Fabric paint		X			
Glue	X			X	Tacky glue, quick drying
Hot glue gun			1 per group		
Markers/crayons	X, and whiteboard markers		Whiteboard markers	X, and colored pencils	
Newspapers/ table covering		X		X	
Paint	X (blue)	X tempera		X	
Paint brushes	X	X		X	
Paint trays	X	X		X	
Paper	Journal	X	Notebook	Drawing paper and butcher paper	
String			6', 1 per group	12" lengths of elastic string	
Hardware					
Dowels					1/2" diameter, cut into 3" lengths, 1 per student
Milk crate or sturdy box				X	
Nets			Small fish net		
Eye screws					1 per student
Office Supplies					
Box	1 shoebox per student, or use box template				
Pencils			X	X	
Clipboards	X				
Scissors	X		X	X	X

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Office Supplies (continued)					
Stapler	X			X	
Tape	Clear		Duct tape, 1 per group	X	
Whiteboard	X		X		
Natural Materials					
Plant material	Wooden sticks or twigs				
Real fish		15-30 whole, thawed; live goldfish in bowl or aquarium, optional	Aquarium with fish		
Rocks	Small (1/4- to 1-inch)		X		
Sand	Dry		X		
Water			Pool, tub, small pond, optional		
Household Supplies					
Backpack				2	
Blue plastic wrap	X				
Bowl				Small, 2 quart	
Clothesline		X			
Clothespins		X			
Clothing		T-shirts		Colorful striped shirt, drab shirt	
Common objects of various shapes			X		
Earmuffs				Attach paper eyes	
Flashlight					X
Glass jars			6-8 oz. 1 per group		2, one with clear water and one with turbid water
Hat				Large	
Lamp					X
Large eyeglass frames				Lenses popped out	
Paper plates		1 per fish			
Paper towels/rags		X			
Plastic bottles with caps			1 round per student (with cap); 1 flat-sided per student		
Vegetable scrubber		X			

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Books, Multimedia, Copy Sheets, Posters, etc.					
Copy sheets (provided in lesson)	Field Trip to a Pond Narrative, 1 copy; Fish Illustrations for Dioramas; Template for a Diorama Box, optional	Fish Senses Sheets	Fish Fins Sheet; Fins: Form and Function sheet, 1 per student; Fins: Form and Function Answer Sheet	Fish ID Cards from Lesson 2:5--Diving Into Diversity; Fish Adaptations and Advantages Sheet; Future Fish of the Year 4000 Sheet, 1 per student; Fish Adaptation Sheet, 1 per group	Underwater Light Quality Sheet; Lure Types Reference Sheet, 1 per student or for projecting
8.5" X 11" images		Fish Anatomy illustration	Minnesota fish		
Internet access	X				
Minnesota fish books	X				Books on fish and fishing
Multimedia	Pond sounds CD or recording		Video: Bigmouth or Bigmouth Forever		
Pictures			Illustrations of animal and plant parts		Underwater photos
Miscellaneous Supplies					
Bean bags				3	
Rubber fish		Optional			
Scientific Tools					
Funnels				2, paper or plastic	
Prism					X