

WET	WILD	WILD AQUATIC	DNR
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More information on DNR's website: dnr.wi.gov

Junior Angler Activity & Corresponding Activities	Page # or Pub #	Objective	Grade Level	Junior Angler Adaptation
<u>Fish On! (pg. 1)</u>				
Wish Book	460	Compare water recreation in the past to current water recreation	UE - HS	Use the current year's fishing report (below or on DNR's Website) to discuss the economics of fishing recreation
Tackle Loaner Program	FH 758	Makes tackle available to classrooms/groups	All	Search the DNR's Website for "Fishing Equipment for Loan" for details
Annual Fishing Report	FH 506	Gives fishing statistics, tips, and forecasts	All	Available online, search the DNR's website

<u>Fishing Villages (pg. 2)</u>				
Wish Book	460	see Fish On! (above)		
Museum Search for Wildlife	182	Identify wildlife portrayed as art; generalize that wildlife can inspire art	5 - 8	Use Aquatic Extension
Aqua Words	29	Describe why water is important to people and wildlife	K - 4	Visit a Wisconsin waterbody before or during this activity
Net Gain, Net Effect	85	Describe the evolution of fishing techniques	5 - 8	Use Lake Michigan instead of "ocean" and lake trout instead of "swordfish."
Watered-Down History	91	Describe the history and predict the future of a waterway.	5 - 8	Focus on a local waterway. Wisconsin has lost half its wetlands since 1848 and has over 3000 dams on its rivers and streams

<u>Head for the Water (pg. 3)</u>				
Great Water Journeys	246	Locate pathways water, plants, animals travel around the globe	MS - HS	Add the musky and Jean Nicollet to the list of characters. More information about both can be found online.
The Long Haul	260	Appreciate today's readily available water supplies	K - 12	Relate the activity to the importance of settlers living near a water source in Wisconsin's history
Wildlife Bibliography	253	Understand that wildlife has social and political value	5 - 8	Focus the discussion on aquatic wildlife (or just fish)
Fishy Who's Who	8	Recognize fish species, describe their value, locate places where fish occur	5 - 8	DNR's Fish Wildcards can be tacked to a Wisconsin map. Contact Wisconsin Geological and Natural History Survey for beautiful Wisconsin state maps.
Watered-Down History	91	See Fishing Villages (above)		
Wisconsin Fish Wildcards	FH 900+	Drawings and descriptions of WI fish species on trading cards	Order through Education Connection	

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Branching Out	129	Investigate how water flows through & connects watersheds	MS	Use DNR's maps and data for your local watershed. Search the DNR Website for watersheds or river basins in your area
Interview a Spider	12	Wildlife occurs in a variety of forms, colors, & adaptations	5 - 8	Use the Aquatic Extension and focus on local species by using DNR's fish wildcards or Wisconsin Fish Poster
Habitat Rummy	14	Identify components of habitat	5 - 8	Use the Aquatic Extension and focus on local species by using DNR's fish wildcards or Wisconsin Fish Poster
Who Fits Here?	64	Describe the importance of adaptations	5 - 8	Use the Aquatic Extension and focus on local species by using DNR's fish wildcards or Wisconsin Fish Poster
Fishy Who's Who	8	See Head for the Water (above)		
Designing a Habitat	19	Identify components of habitat	5 - 8	Use Fish Wildcards to choose species, rather than the 3x5 cards
Watershed	132	Discuss how watersheds provide habitat for animals & humans	5 - 8	Use local maps. Search the DNR Website for watersheds or river basins in your area
Guide to Aquatic Plants	FH 173	Field Guide style booklet with simple drawings		Order through Education Connection
Wonderful Wacky Water Critters	WT 513	Field Guide style booklet with simple drawings		Order through Education Connection
Rivers/Wetlands Poster	WM 255	Plants and wildlife shown in context		Order through Education Connection
Wisconsin Fish Wildcards	FH 900+	Drawings and descriptions of WI fish species on trading cards		Order through Education Connection
Wisconsin Fish Poster	FH 500	Great illustrations of fish		Order through Education Connection

Living Room (pg. 5)

Macroinvertebrate Mayhem	322	Simulate the effects of environmental stressors	UE - MS	Use Wonderful Wacky Water Critters (below) to introduce students to Wisconsin's macroinvertebrates
Classroom Carrying Capacity	9	Describe how carrying capacity affects animal behavior	K - 4	Use Aquatic Extension
How Many Bears?	23	Describe how limiting factors affect animal populations	5 - 8	Use Northern Pike instead of bears - pike require 5 to 6 lbs. of food for every 1lb they gain.

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<u>Living Room, con.</u>				
Oh Deer	36	Describe carrying capacity, limiting factors, & fluctuations	5 - 8	Use bluegills as deer and northern pike as wolves
Habitat Lap Sit	61	Interpret change in habitat	5 - 8	Use Aquatic Extension
Who Fits Here?	64	Describe the importance of adaptations	5 - 8	Use Aquatic Extension
Where Have All the Salmon Gone?	180	Analyze the effects of human use on fish populations	5 - 8	Wisconsin adaptation is available, contact DNR's Project WILD to get a copy.
Wonderful Wacky Water Critters	WT 513	Field Guide style booklet with simple drawings.		Order through Education Connection

Wetland Habitats (pg. 6)

Life in the Fast Lane	79	Describe temporary wetlands	UE - MS	Wisconsin has lost over half its wetlands since 1848. Search DNR's website for "wetlands" for background information.
Capture, Store, & Release	133	Describe how wetlands capture, store, & release water	UE	Wisconsin has lost over half its wetlands since 1848. Search DNR's website for "wetlands" for background information.
Wetland Soils in Living Color	212	Describe the conditions that create wetlands soils	MS	
Wetland Metaphors	39	Describe the characteristics & importance of wetlands	5 - 8	
Dragonfly Pond	198	Evaluate the effects of land use on wetland habitats	5 - 8	In step 9, have the stream empty into the Mississippi River or a Great Lake instead of the ocean
Wetland Wonderland	WZ 015	Detailed booklet on wetlands		Use as a Teacher Reference, order through Education Connection
Rivers and Wetlands Poster	WM 255			Order through Education Connection

Shoreland Homes (pg. 7)

Just Passing Through	166	Compare rates of erosion to plant cover	UE - MS	
Sum of the Parts	267	Recognize that everyone is responsible for water quality	UE - MS	Name your simulated stream after a local stream
Microtrek Treasure Hunt	82	Discover that humans and wildlife share environments	5 - 8	Use the Aquatic Extension
Riparian Zone	341	Evaluate land-use planning consequences for wildlife	5 - 8	Use the Aquatic Extension

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<u>Shoreland Homes, con.</u>				
Blue Ribbon Niche	52	Evaluate effects from changes in riparian zones	5 - 8	
Edge of Home	75	Identify the characteristics of ecotones	5 - 8	If possible, visit a lakeshore or river bank
Riparian Retreat	118	Describe the importance of riparian areas	5 - 8	
Silt: A Dirty Word	190	Identify human activities that add sand & silt to water	3 - 4	
Dragonfly Pond	198	See "Wetland Habitat" above		
Protecting & Restoring Shorelands	WT748-2003	Teacher Reference		
Protecting Our Living Shores	WT764-2003	Teacher Reference		
The Water's Edge	FH428-2004	Teacher Reference		

Alien Invasion & When a Plant... a Weed (pg. 8-9)

World Travelers	330	Identify the effects of introduced species on ecosystems	5 - 8	Modify the examples to be specific to Wisconsin aquatics using wildcards available from Wisconsin DNR.
Aquatic Roots	177	Categorize species into native and non-native	5 - 8	Use local examples using fish and invasives wildcards
Aquatic Invasive Species Wildcards	WT 736-760+	Trading cards with photos and descriptions of invasives	All	Order through Education Connection
Wisconsin Fish Wildcards	FH 900+	Drawings and descriptions of local fish on trading cards		Order through Education Connection
Do Not Release Poster	WT 841	Helpful description of what to do with unwanted aquarium pets		Order through Education Connection
Help Stop the Invasion Poster	WT 779	Portrays a few invasive species		Order through Education Connection
Help Stop Aquatic Hitchhikers	WT 801	Guide to actions anglers can take to help native species		Order through Education Connection
Guide to Aquatic Plants	FH 173	Field Guide Style Booklet with Simple Drawings		Order through Education Connection
Hitching a Ride	CE 4014	Teacher Reference		Order through Education Connection

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<u>Alien...Weed, con.</u>				
A Field Guide to Aquatic Exotic Plants and Animals		Illustrated publication from MN Sea Grant		Search online

<u>Friends in Field (pg. 10)</u>				
Wet-Work Shuffle	360	Describe various water resources careers	UE - HS	
History of Wildlife Management	267	Describe trends in wildlife management practices	5 - 8	Use Aquatic Extension
Wildwork	385	Identify and describe wildlife occupations	5 - 8	Use Aquatic Extension

<u>An Egg-citing Race (pg. 11)</u>				
Hooks and Ladders	43	Identify the stages of a fish's life cycle; generalize that limiting factors affect all populations of animals	5 - 8	Brook trout (coasters) still migrate in Lake Superior and could be used for this activity. Discuss hatcheries as a result of limiting factors. Hatchery information available at dnr.wi.gov .
Sockeye Scents	61	Describe how adaptations allow some species to survive	3 - 4	Hatchery-raised salmon still return to the places they were released.
Silt: A Dirty Word	190	See "Shoreland Homes" above		

<u>Fish Inside...Out (pg. 12-13)</u>				
Water Address	122	Recognize water-related adaptations	UE - MS	Modify Address Cards to be all freshwater aquatic species
Interview a Spider	12	See "Hooray for Habitat" above		
Thicket Game	114	Identify examples of adaptations	K - 4	Use Aquatic Extension
Quick Frozen Critters	122	Describe adaptations related to predator and prey relationships	5 - 8	Use Aquatic Extension and northern pike/common shiners
Fashion a Fish	56	Describe adaptations help fish survive in their habitats	K - 4	Some fish in this activity are saltwater species. Can students identify them? (barracuda, grouper, tuna, butterfly, flounder, halibut, mackerel. Snook and sockeye are mostly saltwater)

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Sockeye Scents

61

See "An Egg-citing" above

Fish Inside...Out, con.

Catch N Color

FH 735

Freshwater fish coloring book

K - 4

Order through Education Connection

Wisconsin Fishing Poster

FH 500

Great illustrations of fish

Order through Education Connection

Wisconsin Fish Wildcards

FH 900+

Drawings and descriptions of WI fish species on trading cards

Order through Education Connection

Fish Fact Sheets

FH709-14

Detailed descriptions and illustrations of WI fish species

Order through Education Connection

Fish Wisconsin Poster

Tourism

Many of WI important game fish on one poster

Contact Department of Tourism for this poster

Classified Info. (pg. 14)

Water Address

122

See "Fish Inside...and Out"

Fishy Who's Who

8

See "Head for the Water"

Get Ready, Go Fish (pg. 16)

Tackle Loaner Program

FH 758

Makes tackle available to classrooms/groups

All

Search the DNR's Website for "Fishing Equipment for Loan" for details

Cast it Out...(pg. 22)

Litter We Know

434

Identify ways that litter pollution can endanger wildlife

5 - 8

Use Aquatic Extension

Plastic Jellyfish

128

Describe the effects of plastic waste on aquatic life

K - 4

I Have a Fish! (pg. 23)

Fishing Ruler

FH 702

Allows students to measure their catch

Order through Education Connection

Gone Fishin' Sticker

FH 752

A nice prize for going fishing
Great for identifying caught

Order through Education Connection

Wisconsin Fish Wildcards

FH 900+

fish - waterproof versions are available

Order through Education Connection

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Take Note! (pg. 25)

Water Log	19	Use a journal to identify water concepts and skills they learn	K - 12	This can be an extension of the fishing journal
Drawing on Nature	285	Wildlife are important inspiration for art and science	5 - 8	Use the Aquatic Extension
Aquatic Times	188	Develop opinions concerning aquatic resource issues	5 - 8	The fishing trip could be an inspiration for a variety of articles

Safety & Courtesy (pg. 26)

Noisy Neighbors	317	Identify noise levels that adversely affect people and wildlife	5 - 8	Focus your efforts on local water ways. Remind students that sound travels better over water
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Fish for Dinner (pg. 28)

Lobster in Your Lunchbox	245	Identify the foods that originate in plants & animals	5 - 8	Use the Aquatic Extension. Separate salt and fresh water species
Water We Eating?	83	Identify foods derived from aquatic resources	K - 4	Make separate lists for salt and fresh water resources

Hook Healthy Fish (pg. 29)

A-Maze-Ing Water	219	Describe urban forms of pollution	LE - MS	
Sum of the Parts	267	See "Shoreland Homes" above		
Ethi-Thinking	303	Generate a list of activities that are harmful to wildlife	K - 4	Use Aquatic Extension
Hazardous Links	326	Describe consequences of pesticides entering food chains	7 - 8	Use Aquatic Extension
What's in the Air?	136	Describe acidic precipitation and its effects on aquatic life	5 - 8	
What's in the Water?	140	Identify major sources of aquatic pollution	5 - 8	Use www.scorecard.org to see the major sources of pollution in your county.
Something's Fishy Here	145	Outline a plan to reduce aquatic pollution in their town	5 - 8	

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Storm Sewers: The Rivers Beneath Our Feet	WR 460	Follow "Stormie" to see how storm sewers transport water		Order through Education Connection
Storm Drain Stencilling	WT 531	Explanation of how to stencil in Wisconsin		Order through Education Connection

What Find? (pg. 30)

Water Actions	12	Conduct water action projects	MS - HS	
Branching Out	129	See "Hooray for Habitat"		
A-Maze-Ing Water	219	See "Hook Into Healthy Fish"		
Sum of the Parts	267	See "Shoreland Homes"		
Humpty Dumpty	316	Describe the challenges of restoring an altered environment	UE - MS	Try doing a Google Image search for "Wisconsin disasters" for images
Litter We Know	434	See "Cast It Out"		
Planning for People and Wildlife Watershed	436	Describe important land-use planning considerations	5 - 8	Use Aquatic Extension
What's in the Water?	132	See "Hooray for Habitat"		
Something's Fishy Here	140	See "Hook Into Healthy Fish"		
Fishable Waters	145	See "Hook Into Healthy Fish"		
Silt: A Dirty Word	158	Describe the value of clean water and healthy fish	6 - 9	
	190	See "Shoreland Homes"		