

Water Connects Everyone and Everything on Earth!



WWW.METROCWF.ORG

September 25th, 2013

La Festival del Agua los ninos
El aqua conecta todos ya todo el mundo (Spanish)

Carwada Ciyaraha Biyaha ee Caruurfa.
Qof kasta iyo wax kasta oo Dhulka laga kor helo Waxaa isku Xira Biyo. (Somali)

Dej rub tib neeg thiaab txhua yam hauv ntiaj teb los ua (Hmong)
Koob tsheej txog tib neeg li dej

Introduction

The 16th annual Metro Children's Water Festival, held on September 25, 2013, at the Minnesota State Fairgrounds, is designed to provide students with hands-on opportunities to learn about such things as where water goes when the toilet gets flushed, how tiny bugs can serve as an indicator of water quality, the importance of wetlands, and basic water science. More than 1,200 fourth grade students from each of the seven Metropolitan counties will be in attendance to celebrate our most precious resource - water.

This booklet has been printed to assist educators in contacting key people associated with the Festival. Included in the packet are the schedule of events, a brief description of each learning station, the agency hosting the learning station, and an educator's evaluation form. **Please note: an 8" x 10" photo of your class at the Festival will be mailed to you upon receipt of your evaluation!**

A Word of Acknowledgement

This festival would not have been possible without the dedication of the Festival Planning Committee. Their devotion to the education of children is the backbone of this Festival. The Metro Conservation Districts wish to recognize and extend their thanks to: **Madeline Seveland**, Carver County Water Management; **Bart Biernat**, Anoka County Environmental Services; **John Bilotta**, University of Minnesota Extension; **Jessica Collin Pilarski**, Washington County Public Health and Environment; **Wendy Griffin**, Washington Conservation District; **Nanette Geroux**, Metropolitan Council Environmental Services; **Bill Olsen & Paula Liepold**, Dakota County Water Resources Department; **Stacey Lijewski**, Hennepin County Department of Environmental Services & Hennepin Conservation District; **Janine Kohn**, Minnesota Department of Natural Resources (Project WET); **Terry Heyer**, United States Forestry Service; **Jessica Van Der Werff**, Dakota County Soil & Water Conservation District.

Sponsors

The Children's Water Festival would not have been possible without generous donations from local sponsors. Their interest in protecting our valuable water resources is evident. Local contributions were received from:

Financial Sponsors

\$2000 - \$2500

Minnesota Groundwater Association

\$1000 - \$1999

Capitol Region Watershed District

\$500 - \$999

Andersen Windows

Mississippi Watershed Mngmnt. Org.

Xcel Energy

Lower Minnesota River Watershed

Minnehaha Creek Watershed District

Rice Creek Watershed District

Vermillion River Watershed District

Nine Mile Creek Watershed District

\$200 - \$499

Emmons and Oliver Resources

WENCK & Associates

Lower Mississippi River Watershed District

Minnesota Department of Health

Minnesota Pollution Control Agency

\$100 - \$199

Shakopee Mdewakanton Sioux Community

Food/Supply Donations

Brueggers Bagels

Cub Foods

Deli Express

Afton Apple Orchard

Metropolitan Council

Learning Station Topics

- B** **Mystery of the Disappearing Waterfall** – Discover how a great waterfall moved from Saint Paul to Minneapolis and set the stage for two cities to be born.
Lyndon Torstenson and Abby Olson, National Park Service - Mississippi National River and Recreation Area (www.nps.gov/miss)
- C** **The House that Jack Built** – Where does our drinking water come from? How does it get to our tap? Learn about wells and water systems in “The House that Jack Built”.
Richard Thron, Mantyla Well Drilling, Inc.
- D** **FLUSH! The Wastewater Story** – Where does the water go when the toilet gets flushed? Students will learn how wastewater is treated when it goes down the drain.
Patti Craddock, Central States Water Environment Association (www.cswea.org)
- E** **Streams and Wetlands** – Simulate a moving stream and the forces of water. Learn about wetlands and how vegetation keeps our water clean.
Nanette Geroux, Lanya Ross, Jim Larsen, Metropolitan Council Environmental Services (www.metrocouncil.org)
- F** **The Watershed!** – Do you live in a watershed? Learn what a watershed is, your “watershed address” and what we can do in our watershed communities to protect water.
Terrie O'Dea, Emily Resseger, Jen Kostrzewski, Metropolitan Council Environmental Services (www.metrocouncil.org)
- G** **Stream Creatures and Water Quality** – There is an amazing variety of life our streams, lakes, and wetlands. Aquatic insects respond to changes on the land and in the water, see how they can tell us about water quality.
Cassie Champion, Scott Haire, Metropolitan Council Environmental Services (www.metrocouncil.org)
- H** **Just Passing Through** – How does vegetation keep rainwater clean as it runs off into lakes and streams? Students will act out plants and raindrops to find out!
Krista Jensen, MN Department of Natural Resources - Fort Snelling State Park (www.mdnr.gov/fortsnelling)
- I** **The Water Beneath Our Feet** – Using a “slice of the earth” model, students will learn about aquifers and the movement of water and water pollution through the ground.
Angie Hong, Washington Conservation District (www.mnwcsd.org/cleanwater)
- J** **A Model Stream** – Learn how streams determine their path. See how changes in stream water flow and stream bank condition can quickly alter how a stream behaves.
Kim Laing, Minnesota Pollution Control Agency (www.pca.state.mn.us)
- K** **World Water Monitoring Challenge** – Students perform water quality monitoring tests to discover how water quality is measured.
John Friel and CSWEA Young Professionals, Central States Water Environment Association (<http://cdmsmith.com>)

- L** **Macro Maddness** – Students will learn about aquatic insects and what they can tell us about the health of a stream.
Maggie Karschnia, MN Wetland Health Evaluation Program, Dakota County (www.mnwhep.org)
- M** **Blue Thumb-Planting for Clean Water** – Explore the ways that homes and yards affect the water cycle and what features could be used at home to catch and clean stormwater runoff.
Jenn Radtke, East Metro Water Resource Education Program, Washington Conservation District (www.mnwcsd.org)
- N** **Water Quality - Is Your Understanding Crystal Clear?** – Observe water samples from different water bodies, record data, and guess where they came from.
Laurie Sovell, Minnesota Pollution Control Agency (www.pca.state.mn.us/csmp)
- O** **How Do Fish Get Mercury?** – Students will learn the sources of mercury and how it gets into our lakes and rivers, then play a game on how mercury bioaccumulates and biomagnifies.
Bruce Monson, Minnesota Pollution Control Agency (www.pca.state.mn.us)
- P** **Adopt A River's Crime Lab** – Trash the land, trash the water! Learn to identify trash found in rivers, how to detect where it came from, and how to keep it out of our public waters.
Paul Nordell, Minnesota Department of Natural Resources (www.mndnr.gov/adoptriver)
- Q** **Watch It Rain!** – Dial up different rainstorms and examine the affect of a soil's slope, residue cover and plant cover on water run-off and erosion.
Mark Zumwinkle, Minnesota Department of Agriculture (www.mda.state.mn.us)
- R** **US Coastguard Environmental Outreach: Garbage Game, Aquatic Nuisance Species, & America's Waterway Watch Program** – Rivers and streams are connected to the oceans. Learn how long it takes common items to decompose in the environment, and how debris in the water affects marine life. Also learn about aquatic nuisance species: how to prevent them and how they affect marine life. Help the US Coastguard keep our bridges and ports safe by reporting suspicious activity. Learn about the America's Waterway Watch program.
Barry Berg and Neil McMillian, US Coast Guard Auxiliary (<http://cgaux.org/>)
- S** **Down the Dirty Drain** – How come our streets don't become rivers when it rains? Learn where storm water goes and what it might carry with it if we are not careful.
Adam Flett, Friends of the Mississippi River (www.fmr.org)
- T** **Water Pollution on Trial** – In this court, the rights of water are protected! Students serve as jury and decide the outcome of a Minnesota water pollution court case.
Joshua Burman, Minnesota Pollution Control Agency (www.pca.state.mn.us)
- U** **Singing Rivers** – Listen and sing and learn about the health of Minnesota's great rivers!
Scott Sparlin
- V** **Minnesota Fish and their Habitats** – Learn why fish are shaped and colored the way they are and how that relates to the habitats where they live.


Mark Nemeth, Minnesota Department of Natural Resources, Fisheries and Wildlife
(www.dnr.state.mn.us)

- W Water Jeopardy Game Show** – Team up with your classmates to test your knowledge on water resources in this game-show style session where "Who Wants to be a Millionaire" meets "Jeopardy."
Colleen Schoenecker and Mark Rust, Minnesota Pollution Control Agency (www.seek.state.mn.us)
- X Catch a Wave!** – Learn how energy can move through water without having the water move and what determines how big and fast a wave will be.
John Bushey, Riley Lake Engineering, Inc.
- Z Mosquitoes!** – Learn about the mosquitoes life cycle and how human activity can contribute to the mosquito impact.
Mike McLean and Monica Wickelgren, Metropolitan Mosquito Control District (www.mmcd.org)
- AA A Cloud in a Jar** – How water and weather are related.
Laura Betker, KARE 11 (www.kare11.com)
- BB Water in Trees - How does it get up 100 feet?** – Trees are important to clean water because they help keep soil out of our streams, give our streams and lakes shade, and are a place for many bugs to live that our fish and reptiles need to eat. But in order to be healthy, trees need water too. How do they take in that water and get it all the way up to the top of the tree? What are the unique properties of water that help make this happen?

Teri Heyer, USDA Forest Service (www.fs.usda.gov/urban-connections)
- CC H2O for Life** - bringing water to students around the world – Water around the world is in serious trouble! How can your actions become part of the solution for the global water crisis? Explore the water cycle, and share ideas that you can use to help change the world. Join H2O for Life in a service-learning activity that can change the attitudes and behaviors of students while changing lives for students at a school in a developing country.
Patty Hall, H2O for Life (www.H2Oforliveschools.org)
- DD Farmers: Stewards of Land and Water** – Students will actively investigate the connection between water and agriculture. Hands-on activities will build awareness for the conservation methods farmers use to protect the land and water.
Sue Knott, Minnesota Department of Agriculture (www.mda.state.mn.us/kids.aspx)
- Stage 1 In the Heart of the Beast** – Learn about how much water we use in the US and other parts of the world and the quality of bottled vs. tap water. (www.hobt.org)
- Stage 2 WATER!** – Learn about water and the water cycle in this fascinating program.
Science Museum of Minnesota (www.smm.org)
- Stage 3 Join Looney Loon at the Our Water Rocks Superstar Show** where contestants share their knowledge of water resources through songs and other talents. Topics include water conservation, watershed, drinking water and more. Don't forget to vote for your favorite act at the end!
Puppeteers: Hamline University Theater Department; created by Image Puppets
(www.imagepuppets.com)

Classroom Schedule – 2013 Metro Children’s Water Festival

ID	School/Teacher	9:00 – 9:30	9:30 – 10:00	10:00 – 10:30	10:30 – 11:00	11:00 – 11:30	11:30 – 12:00	12:00 – 12:30	12:30 - 1:00	1:00 – 1:30	1:30 – 2:00	2:00 – 2:30	
1	Poplar, Eiss		D	 Science Museum <i>of Minnesota</i> [®] Stage 2		 LUNCH	G	B	Arcade	Stage 1			
2	Poplar, Steffes		M				K	BB	Stage 3	Arcade	J		
3	Richfield, Awbrey		P				Stage 1		B	DD			
4	Richfield, Erdmann		Z				P	S	Arcade	M			
5	Richfield, McMillan		L				DD	Stage 3	Arcade	P			
6	Sunnyside, Wait		K				H	Arcade	X	Stage 3	O	Arcade*	
7	St Therese, McNeill		Arcade				Q	X	O	Z			
8	Garlough, Cummings	V	AA				Stage 1		CC	B			
9	Garlough, Kasella	I	U				J	C	G	Arcade			
10	Garlough, Ostrem	B	Stage 3				F	Arcade	C	H			
11	HOPE, Schmit	Z	U				Arcade	M	R		G		
12	HOPE, Underhill	C	Stage 3				Arcade	J	R		H		
13	Pullman, Ballus-Penz	K	U	D	M	O	 Science Museum <i>of Minnesota</i> [®] Stage 2	CC	Arcade*				
14	Pullman, Fate	Arcade	V	Stage 1		E		Q	Arcade*				
15	Pullman, Packard	E	R		W	U		T	Arcade*				
16	Transfig., Vievering		Arcade	Stage 1		I		W	M	P			
17	Transfig., Peterson		O	L	Arcade	C		Stage 3	R				
18	Woodbury, Mauer	G	C	Stage 1		Q		I					
19	Woodbury, Melcher Anderson	W	Stage 3	J	Arcade	N		L					
20	Woodbury, Thompson	Arcade	R		Q	Z		E					
21	Al-Amal, Krause			E	Stage 3	G		BB	P				
22	Chanhassen, Buetler			F	U	B		S	K				
23	Chanhassen, Gove			CC	R			G	T				
24	Chanhassen, Knoblauch			X	Stage 3	M		C	Q				

ID	School/Teacher	9:00 – 9:30	9:30 – 10:00	10:00 – 10:30	10:30 – 11:00	11:00 – 11:30	11:30 – 12:00	12:00 – 12:30	12:30 - 1:00	1:00 – 1:30	1:30 – 2:00	2:00 – 2:30
25	Chanhassen, Lannon			AA	L	 Science Museum <i>of Minnesota</i> Stage 2			E	Stage 1		
26	Chanhassen, Netz			B	F				K	Stage 3	Z	
27	Eastview, Miller				X				L	Stage 1		CC
28	Eastview, Sheets				I				T	X	R	
29	Eastview, Ulmen				B				Stage 3	O	DD	F
30	Oak Crest, Endres			Arcade	U				DD	J		
31	Oak Crest, Greisen			BB	Stage 3				F	K		
32	Oak Crest, Kalal			S	U				W	Arcade		
33	Oak Crest, Kubes			G	Arcade				Q	N		
34	Oak Crest, Poshkoff			W	Z				Stage 3	F		
35	Rum River, Conner				J	I	Stage 1		L			
36	Rum River, Dietz				S	Stage 3	W	CC	 Science Museum <i>of Minnesota</i> Stage 2			I
37	Rum River, Moore				C	U	N	Arcade				BB
38	Rum River, Murray				DD	Stage 3	BB	P				M
39	Rum River, Schantzen				CC	D	T	Stage 3				H
40	Rum River, Taylor				BB	U	O	H				T
41	St Huberts, Ebel			Arcade	T	Stage 3	E	Z				O
42	St Huberts, Kandiko			DD	R		Arcade	L				X
43	St Huberts, Meinert			I	V	H	Stage 1					DD
44	Sunnyside, Cohen		J	Q	P	K	Stage 1					Arcade*
45	Sunnyside, Johnson		E	Stage 1		CC	X	N				Arcade*

Note: Learning stations are 25 minutes long, followed by a 5-minute passing period. Science Museum & DD presentations are 55 minutes long.
 *Classes scheduled for the Arcade at 1:30 or 2 p.m. are scheduled to board busses at 1:45 or 2:15, respectively.

Presenter Schedule – 2013 Metro Children’s Water Festival

ID	Presenter	9:00 - 9:30	9:30 - 10:00	10:00 - 10:30	10:30 - 11:00	11:00 - 11:30	11:30 - 12:00	12:00 - 12:30	12:30 - 1:00	1:00 - 1:30	1:30 - 2:00	2:00 - 2:30
B	Mystery of the Disappearing Waterfall	Garlough, Ostrem*		Chanhassen, Netz*	Eastview, Ulmen*	Chanhassen, Buetler		Poplar, Eiss	Richfield, Awbrey	Garlough, Cummings		
C	The House that Jack Built	HOPE, Underhill*	Woodbury, Mauer		Rum River, Moore*	Transfig., Peterson		Garlough, Kasella	Garlough, Ostrem	Chanhassen, Knoblauch		
D	FLUSH! The Wastewater Story		Poplar, Eiss*	Pullman, Ballus-Penz		Rum River, Schantzen						
E	Streams and Wetlands	Pullman, Packard*	Sunnyside, Johnson*	Al-Amal, Krause*		Pullman, Fate	St Huberts, Ebel		Chanhassen, Lannon	Woodbury, Thompson#		
F	The Watershed!			Chanhassen, Buetler*	Chanhassen, Netz		Garlough, Ostrem		Oak Crest, Greisen	Oak Crest, Poshkoff		Eastview, Ulmen
G	Stream Creatures and Water Quality	Woodbury, Mauer*		Oak Crest, Kubes*		Al-Amal, Krause	Poplar, Eiss		Garlough, Kasella	Chanhassen, Gove	HOPE, Schmit	
H	Just Passing Through					St Huberts, Meinert	Sunnyside, Wait	Rum River, Taylor		Garlough, Ostrem	HOPE, Underhill	Rum River, Schantzen
I	The Water Beneath Our Feet	Garlough, Kasella*		St Huberts, Meinert*	Eastview, Sheets*	Transfig., Vievering			Rum River, Conner	Woodbury, Mauer#		Rum River, Dietz
J	A Model Stream		Sunnyside, Cohen*	Woodbury, Melcher Anderson	Rum River, Conner*		Garlough, Kasella	HOPE, Underhill		Oak Crest, Endres	Poplar, Steffes	
K	World Water Monitoring Challenge	Pullman, Ballus-Penz*	Sunnyside, Wait*			Sunnyside, Cohen	Poplar, Steffes		Chanhassen, Netz	Oak Crest, Greisen	Chanhassen, Buetler	
L	Macro Maddness		Richfield, McMillan*	Transfig., Peterson	Chanhassen, Lannon			St Huberts, Kandiko	Eastview, Miller	Woodbury, Melcher Anderson#		Rum River, Conner
M	Blue Thumb - Planting for Clean Water		Poplar, Steffes*		Pullman, Ballus-Penz	Chanhassen, Knoblauch		HOPE, Schmit		Richfield, Erdmann	Transfig., Vievering	Rum River, Murray
N	Water Quality - Is Your Understanding Crystal Clear?					Woodbury, Melcher Anderson	Rum River, Moore	Sunnyside, Johnson		Oak Crest, Kubes		
O	How Do Fish Get Mercury?		Transfig., Peterson*			Pullman, Ballus-Penz	Rum River, Taylor		St Therese, McNeill	Eastview, Ulmen	Sunnyside, Wait	St Huberts, Ebel
P	Adopt A River's Crime Lab		Richfield, Awbrey*		Sunnyside, Cohen		Richfield, Erdmann	Rum River, Murray		Richfield, McMillan	Al-Amal, Krause	Transfig., Vievering
Q	Watch It Rain!			Sunnyside, Cohen	Woodbury, Thompson	Woodbury, Mauer	St Therese, McNeill		Oak Crest, Kubes	Pullman, Fate	Chanhassen, Knoblauch	
R	US Coastguard Environmental Outreach		Pullman, Packard Woodbury, Thompson		St Huberts, Kandiko Chanhassen, Gove				HOPE, Schmit HOPE, Underhill		Transfig., Peterson Eastview, Sheets	
S	Down the Dirty Drain			Oak Crest, Kalal*	Rum River, Dietz*			Richfield, Erdmann		Chanhassen, Buetler		
T	Water Pollution on Trial				St Huberts, Ebel		Rum River, Schantzen		Eastview, Sheets	Pullman, Packard	Chanhassen, Gove	Rum River, Taylor

ID	Presenter	9:00 - 9:30	9:30 - 10:00	10:00 - 10:30	10:30 - 11:00	11:00 - 11:30	11:30 - 12:00	12:00 - 12:30	12:30 - 1:00	1:00 - 1:30	1:30 - 2:00	2:00 - 2:30
U	Singing Rivers		Garlough, Kasella HOPE, Schmit Pullman, Ballus-Penz		Chanhassen, Buetler Oak Crest, Endres Oak Crest, Kalal	Pullman, Packard Rum River, Taylor Rum River, Moore						
V	Minnesota Fish and their Habitats	Garlough, Cummings*	Pullman, Fate		St Huberts, Meinert							
W	Water Jeopardy Game Show	Woodbury, Melcher Anderson*		Oak Crest, Poshkoff*	Pullman, Packard		Rum River, Dietz		Oak Crest, Kalal	Transfig., Vievering		
X	Catch a Wave!			Chanhassen, Knoblauch*	Eastview, Miller*		Sunnyside, Johnson	St Therese, McNeill	Sunnyside, Wait	Eastview, Sheets		St Huberts, Kandiko
Z	Buzzzz . . . Mosquitoes!	HOPE, Schmit*	Richfield, Erdmann*		Oak Crest, Poshkoff	Woodbury, Thompson		St Huberts, Ebel		St Therese, McNeill	Chanhassen, Netz	
AA	A Cloud in a Jar?		Garlough, Cummings	Chanhassen, Lannon*								
BB	Water in Trees - How does it get up 100 feet?			Oak Crest, Greisen*	Rum River, Taylor*		Rum River, Murray	Poplar, Steffes		Al-Amal, Krause		Rum River, Moore
CC	H2O for Life			Chanhassen, Gove*	Rum River, Schantzen*	Sunnyside, Johnson		Rum River, Dietz	Garlough, Cummings	Pullman, Ballus-Penz		Eastview, Miller
DD	Farmers: Stewards of Land and Water			St Huberts, Kandiko*	Rum River, Murray*		Richfield, McMillan		Oak Crest, Endres	Richfield, Awbrey	Eastview, Ulmen	St Huberts, Meinert
Stage 1	Are You Thirsty? (IHBT)			Pullman, Fate Transfiguration, Vievering Woodbury, Mauer Sunnyside, Johnson			Richfield, Awbrey Garlough, Cummings St Huberts, Meinert Sunnyside, Cohen			Poplar, Eiss Chanhassen, Lannon Eastview, Miller Rum River, Conner		
Stage 2	WATER! (Science Museum)			12 Classes 322 Students		12 Classes 319 Students		11 Classes 324 Students		10 Classes 296 Students		
Stage 3	Our Water Rocks Superstar Show!		Garlough, Ostrem HOPE, Underhill Woodbury, Melcher Anderson		Al-Amal, Krause Chanhassen, Knoblauch Oak Crest, Greisen	Rum River, Dietz St Huberts, Ebel Rum River, Murray		Richfield, McMillan Rum River, Schantzen	Poplar, Steffes Eastview, Ulmen Oak Crest, Poshkoff	Transfig., Peterson Sunnyside, Wait Chanhassen, Netz		
Arcade	Water Arcade	Pullman, Fate* Woodbury, Thompson*	St Therese, McNeill* Transfig., Vievering*	Oak Crest, Endres* St Huberts, Ebel *	Transfig., Peterson Oak Crest, Kubes Woodbury, Melcher Anderson		HOPE, Schmit HOPE, Underhill St Huberts, Kandiko	Sunnyside, Wait Garlough, Ostrem Rum River, Moore	Richfield, Erdmann Richfield, McMillan Poplar, Eiss	Poplar, Steffes Garlough, Kasella Oak Crest, Kalal	Pullman, Balus-Penz** Pullman, Fate** Pullman, Packard**	Sunnyside, Cohen** Sunnyside, Johnson** Sunnyside, Wait**

* This is the class's first scheduled period. Classes may not arrive right on time.

** The class is schedule to leave in mid period.

The class is scheduled to leave at the middle of the next period.

Water Arcade

Bubble-ology- Learn about the surface tension of bubbles as you disappear into one of them!
Contact: Leslie Yetka, Minnehaha Creek Watershed District

Fish Pond - Try your luck at catching fish and learn about some aquatic species.
Contact: Britt Gangeness, MN Pollution Control Agency

Fish Prints - Paint your own fish print and learn about some Minnesota fish species.
Contact: Roland Sigurdson, MN Department of Natural Resources, MinnAqua

Groundwater Flow Model - Come see how water flows, in various directions, through various types of soil found beneath the earth's surface.
Presenter: Alyssa Breu, Met Council Environmental Services

H2O for Life - Design a water droplet for our wall display or make a bracelet (limited number available) and learn about safe drinking water for everyone!
Contact: Patty Hall, H2O for Life

H2O Olympics - Try your hand at some water fun experiments including floating paper clips on water and placing water drops onto a penny in order to demonstrate adhesive and cohesive properties of water.,
Contact: Nanette Geroux, Met Council Environmental Services

Stormwater Labyrinth - Play this labyrinth and test your stormwater runoff knowledge.
Contact: Bill Olsen, Dakota County

US Coast Guard Public Affairs Display - Learn about water and boating safety while testing your water knowledge. Special Guest Star, "Coastie" the Robot, hope to make a return visit to be part of your Water Arcade experience.
Presenter: Barry Berg & member of the US Coast Guard Auxiliary

Water Festival EnviroMagnets - Create your own environmental masterpiece through this arts and crafts hands-on-activity.
Contact: Nanette Geroux, Met Council Environment Services

***Teacher Resource Table** - Helpful information for Teachers and Adult Volunteers from Local Agencies such as MN Pollution Control Agency, Met Council, US Forest Service and more!)



Metro CWF Dictionary

English	Spanish	Swahili
Algae	Algas	Mwani or Ugozi
Aquifer	Acuifero	Chemichemi
Atmostphere	Ambiente	Anga
Clean Water	El Agua Limpia	Maji safi
Cloud	Nube	Wingu
Condensation	Condensación	Condensation
Erosion	Erosión	Mmomonyoko
Fish	Pescado	Samaki
Evaporation	Evaporación	Mvuke
Freshwater	De agua dulce	Maji Safi
Groundwater	Las aguas subterráneas	Maji ya Chini ya ardhi
Lake	Lago	Ziwa
Ocean	Océano	Bahari
Oxygen	Oxígeno	Oksijeni
Pollution	Polución	Uchafuzi wa mazingira
Rain	Lluvia	Mvua
River	Río	Mto
Snow	Nieve	Theluji
Storm	Tormeta	Dhoruba
Tree	Árbol	Mti
Wastewater	Agua residualies	Maji machafu
Water	Agua	Maji
Waterfall	Cascada	Maporomoko ya maji
Well	Pozo	Shimo
Wetland	Humedales	Ardhi oevu

*Are there other vocab words or languages you'd like to see included on this page? Let us know!! www.metrocwf.org.

RANDALL AVE.

Bus Exit



Bus Stop:
Lunch Drop Off

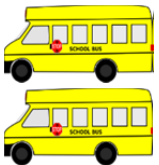
COOPER STREET

Stage 2
Science Museum

O P Z

WRIGHT AVE.

COSGROVE STREET



Bus Parking

Parking for
Presenters &
Volunteers



DD

Unloading-Loading



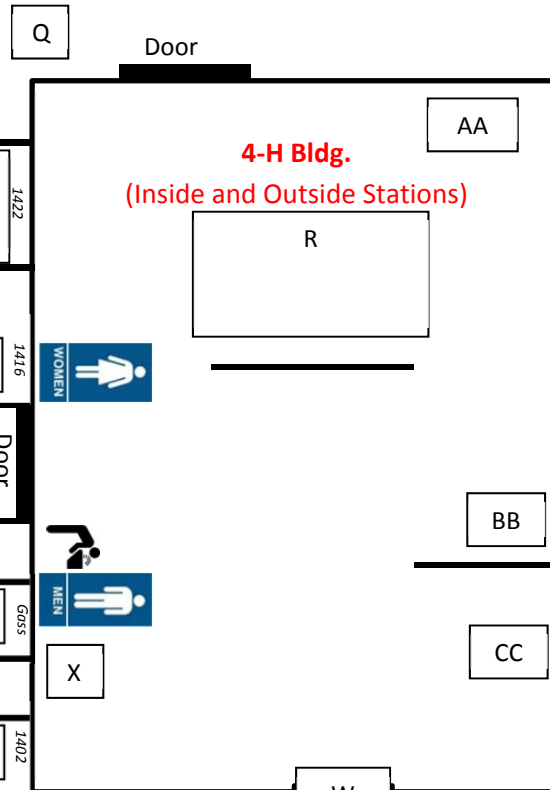
Home Improvement Bldg.

WATER ARCADE

Registration
& Information

F G H I J K
E L M N
D C B

Learning Station Map



Stage 3: Our Water
Rocks Superstar

Education Bldg.
Creative Arts & Annex



(used for rainy day only)



SNELLING AVE.

DAN PATCH AVE.

Not to scale.

**Children's Water Festival
Evaluation for Teachers**

Please complete this evaluation and return it to the Registration Desk in the Water Arcade in the Home Improvement Building, **OR** give it to your Class Guide, **OR** detach and mail to the address on the back. You will receive an 8" x 10" photograph of your class at the Festival after your evaluation form is returned. Please be candid: your responses will help us to improve the Festival.

1. Teachers, without looking at this booklet or other resources, can you clearly identify and remember the 2013 Metro CWF Theme from the following list?

- A. Conserve Our Water – It's All We Have on Earth!
- B. Water, Water Everywhere – A Resource for You and Me!
- C. Water Connects Everyone and Everything on Earth!
- D. Hurray for H₂O - All Living Things Rely on Water!

2. Will you repeat and use the theme back in your classroom as a way to summarize the program or initialize further discussions with your students?

Yes No Maybe How? _

3. After attending the Festival, (in brief words) how will you incorporate lessons, activities, or topics from the Metro CWF into your classroom?

4. Which Learning Stations were most effective in teaching your students about water issues? Why? Was it was the content? The presenter? Both?

5. Which Learning Stations were not effective? Why? Was it the content? The presenter?

6. What did you like best about the Festival?

7. How could the Festival be improved in the future?

8. Will the Children's Water Festival help you achieve any State or school district science standards or other educational objectives/goals? If yes, which ones?

Yes No Don't Know Yet

Water Connects Everyone and Everything on Earth!



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