

Join us for
WATER
FUN

SAT. SEPT. 27 ~
~10AM TO 1PM~
COURTYARD~
~EAST SIDE of SCHOOL

EXPLORE the world of
water and get ready to help
design and build our own
special Water Garden at
Actor School!

See our water table outside
the cafeteria on
Back to School Night!!!!

Fun activities





Sounds



Floating



Sat.
Sept.
27

EXPLORE WATER

10 AM
to 1 PM

stories

sound

art

activities

come play
with
WATER

SAT. Sept. 27 10AM
in ASTOR COURT YARD TO 1PM

Join us Water
Fun!

art stuff

activities

This Saturday

SEPT. 27

10AM - 1 PM

Astor Courtyard
(east side)

daVinci Living Water Garden

A collaboration between daVinci Arts Middle School, Portland, Oregon and Urban Water Works 2000-2003.

Year 1

May 2000-June 2001

An integrated, multi-disciplinary and school-wide water-themed curriculum. With science teacher Dan Evans, 10th grade students explore watershed, urban water pollution and treatment, wetlands ecosystems, introduced life cycles and water assessment instruments. Students include: Chinese students at the school study labors, Asian garden design, native plants, and root water issues. In

June 2001, the students, parents and local professionals participate in a design charrette to begin developing garden ideas.



Testing drainage of existing vegetation



Water Arts Exploration Day with New Chongqing of Da Vinci Artists School, June 2001

Dreams of Today

Water owns a mind of its own

Blue sky on a clear day

Clear liquid diamonds

It trickles down the spine

Blue sky on a clear day

A lake is nature's bathtub

It trickles down the spine

Water crashes upon each other

A lake is nature's bathtub

Never only one shape

Water crashes upon each other

Ripples at the slightest disruption

Never only one shape

Clear liquid diamonds

Ripples at the slightest disruption

Water owns a mind of its own



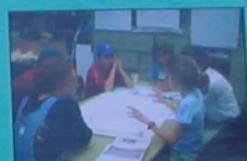
Exploring the process of making live fountains



Observing dreams in Pond garden site



Experimenting with "Living Fountain"



Community design charrette is becoming reality for the live garden. Students test the process, bringing in their knowledge from the year study



Gems and minerals mining

Urban Water Works

is a non-profit organization dedicated to teaching how we relate to water in the urban environment. We develop collaborative relationships between artists, scientists and community members to create projects that make natural water systems and wastewater visible and culturally important. We began in March 1998 as a diverse group of people inspired by Betty Edwards' work on the Living Water

Garden in Chengdu, China. Our interdisciplinary approach has brought together landscape designers, engineers, poets, visual artists, urban planners, hydrologists, teachers and wastewater experts to inspire and create new possibilities for water management in the city.

www.urbanwaterworks.org



Font families: Ligature help classes create collaboration and inspiring poems called Poemson.

ARTIST CONCEPT AND DESIGN: PAUL MAICK

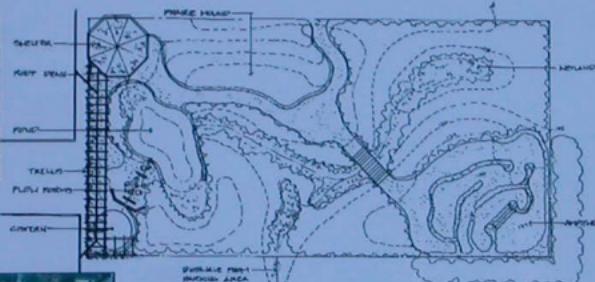
DaVinci Living Water Garden

A collaboration between DaVinci Arts Middle School and Urban Water Works 2000-2003.

Educating students and citizens about stormwater runoff and water quality,
while using the arts to celebrate the aesthetic properties of water.



Designed and built by the students, teachers and parents of DaVinci, assisted by volunteer professionals brought in by Urban Water Works.



Built on the site of an abandoned tennis court, it includes a system of cisterns, pond, constructed wetland, and bio remediation swale that collects, stores and absorbs 100% of the water that it captures.



Dan Evans, lead teacher for the DaVinci Living Water Garden project



Provides recreational and educational opportunities for the school and surrounding community and is a model for stormwater diversion that could be implemented by average households.

Resumes highway runs off 15,000 sq. ft. of roof and parking lot, into a 7,200 square foot waist garden.

Urban Water Works

the confluence of art, science & community

Urban Water Works

is a non-profit organization dedicated to changing how we relate to water in the urban

environment. We develop collaborations between artists, scientists and community members to create projects that make

We began in March 1999 as a diverse group of people inspired by the First International Living Water Gathering in Chengdu, China.

Our interdisciplinary approach has brought together landscape designers, engineers, poets, visual artists, urban planners, hydrologists, teachers and wetland ecologists.

WAPPATO WETLANDS SCULPTURE PARK

Blending water treatment, recreation, education and culture in the River District

design by Betty Damon & Ann Bakst, research by Anne Mavor, Portland, Oregon Chapter of Keepers of the Waters 503-452-3154 ortmom@teleport.com

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CONCEPT

A wetland sculpture garden and visible stormwater treatment system on the Willamette River. Inspired by the wappato wetlands that once filled the Portland area, Wappato [arrowhead] tubers were a staple for the Chinook tribes that lived along the Lower Columbia River.

OBJECTIVES

- Treat stormwater runoff from near by development through visible and beautiful living systems
- Become an international model of sustainable waterfront development
- Help restore salmon habitat
- Clean, restore and daylight Tanner Creek
- Utilize native, insectary, food and fiber plants
- Highlight and honor our local indigenous cultures through design elements by Native American artists
- Connect the River District to Portland's Greenway Trail
- Provide recreational opportunities for the River District

BENEFITS

- Enhance River District as a whole [legacy for future, environmental health]
- Lead the city and region in sustainable development
- Clean stormwater from surrounding urban development and deliver fresh clean water to the Willamette River
- Help solve multiple environmental problems [SDO, ESA]
- Inspirational way for the new River District development to interface with the river
- Draw retail consumers, tourists and community members to area
- Provide a fun place for children and families to learn about water

MAJOR FEATURES

- a. **Wappato Ponds Ecological Garden**
Treats stormwater and Tanner Creek.
- b. **Living Water Sculpture Garden**
Treats stormwater and river water through a salmon shaped interactive sculpture
- c. **Children's Water Learning Playground**
Flow pattern and aquatic life play structures, interactive water sculptures
- d. **Water Theme Restaurant & Patio**
Native cuisine, local foods, retail outlets
- e. **Water Resources Building**
Clearinghouse for living water conservation and information
- f. **Flow form sculpture stairway**
- g. **Spiral fishing pier**
Wheelchair accessible pier and observation points
- h. **Sculptural Rain Pavilion**
Visitors can comfortably view treatment system

ADDITIONAL FEATURES

Living Technologies

Solar and wind powered electricity, natural water treatment and filtration

Pathways and bridges over constructed wetlands

Gives easy access to visitors

Long Houses Informational resting areas based on Chinook Tribe design

Undulating natural shoreline

Supports native plants, insects and fish

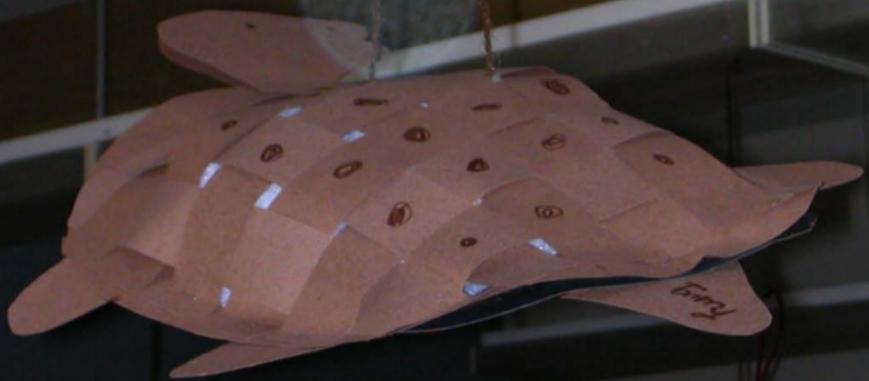


Storytelling











Sign











































OPERATIONS
AND PUBLIC
SCHOOLS









ENT OPERATIONS
AND PURIFICATION













OSSOMS / BOATS









Laura
Coyne
Bartender

Scholar

paper Only

OfficeMAX









LAWRENCE
SENIORS



AURA
ZENDER





...and a new one! This is a great way to make a colorful, abstract drawing. It's also a great way to practice your fine motor skills. You can use any type of marker or crayon to draw your circles. Just remember to keep them overlapping and to vary the colors. Have fun!

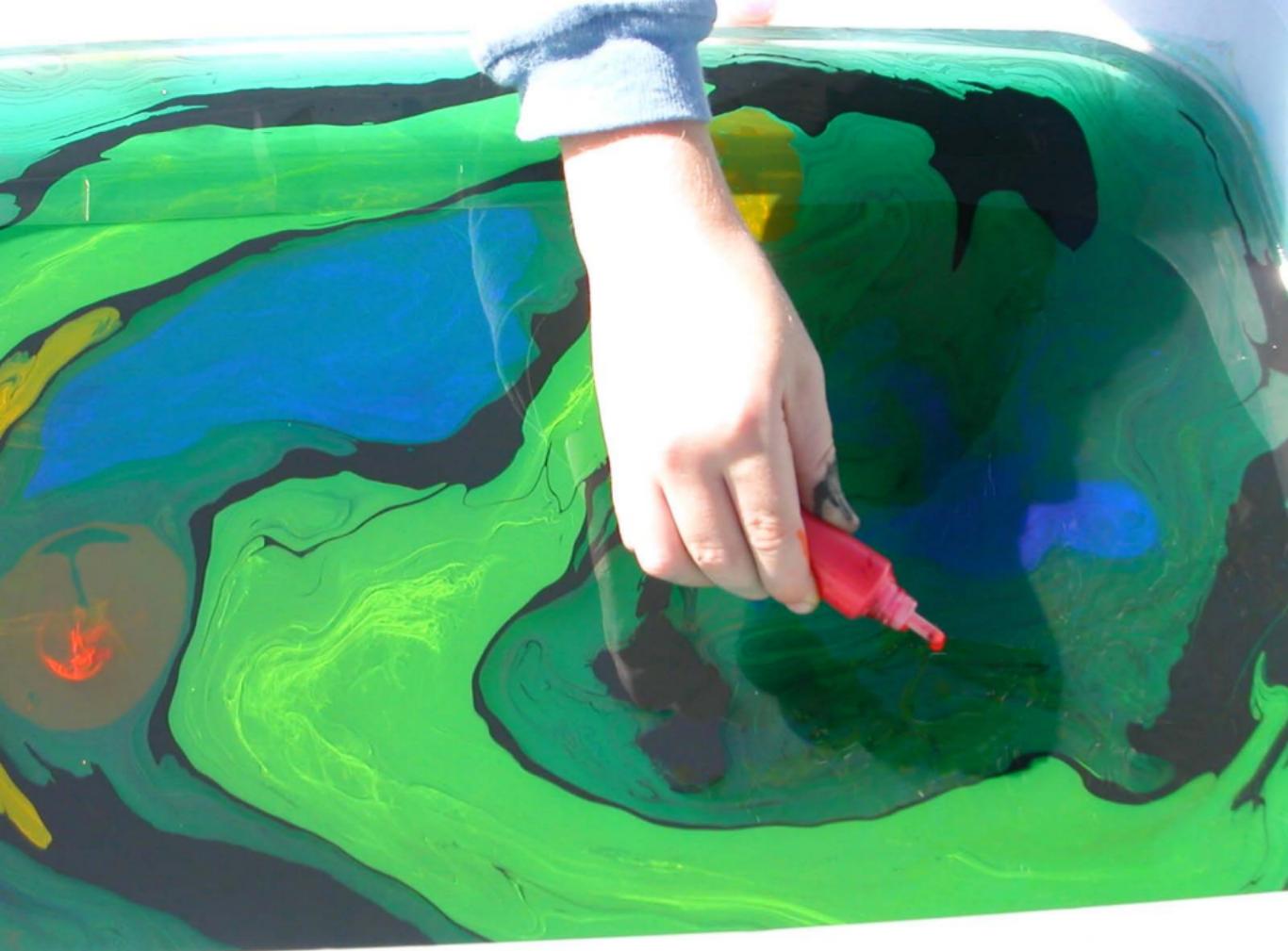












Paper Only

Water
Exploratorium



