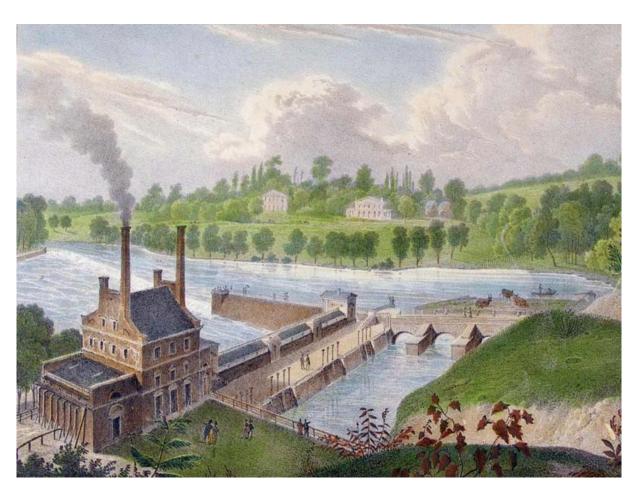


#### Water for the City

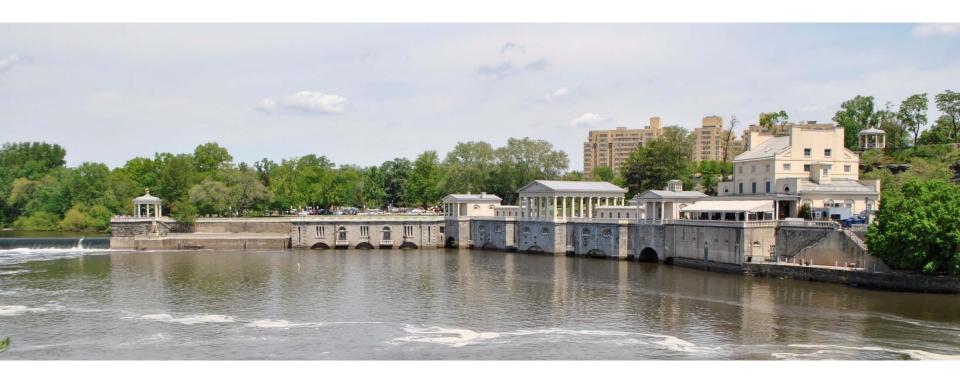
- Need/Love of water
- Public health
- Urban Water Supply and Drainage requires an engineered system
- Pollution from stormwater runoff requires a managed system that is both economical and sustainable



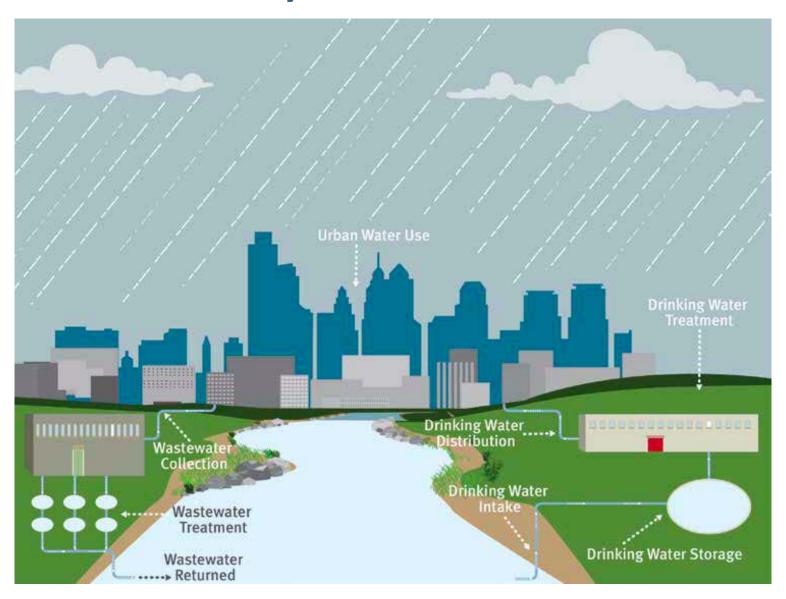
# Power of Place: Fairmount Water Works is a National Historic Engineering landmark in urban water supply



## Power of Place: Fairmount Water Works is the Center of Urban Watershed Education for the Philadelphia Water Department



#### **Everyone Uses Water**



### **Everyone lives in a watershed**



### Out of Sight, Out of Mind?



# **Green? Schools**



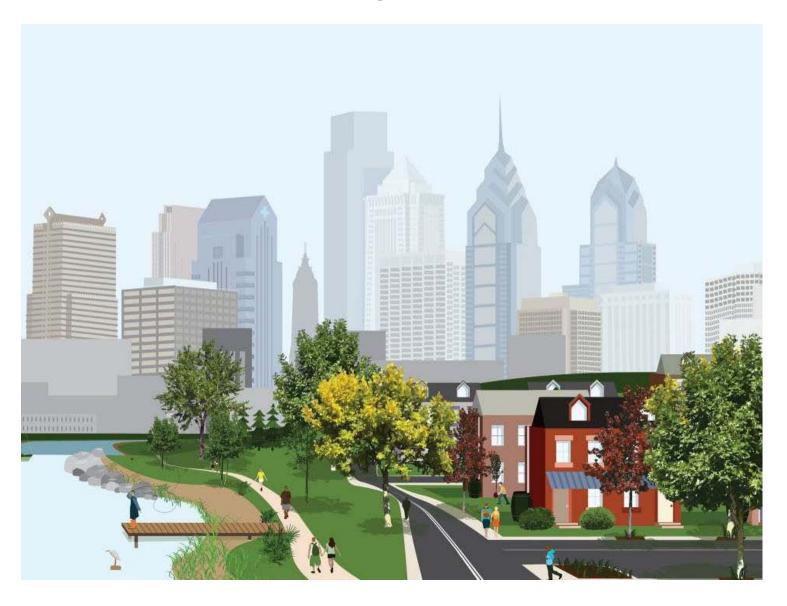
# Using the Watershed as an Integrated Context for Learning

Because the environment is connected to everything around us — from science to history and social science to literature — it offers an authentic and dynamic context for teachers and students to tie together teaching and learning across the core disciplines

Gerald Lieberman, founding director of the State Education and Environment Roundtable



### **PWD Green City, Clean Waters +**



#### **Classroom Learning =**





Thematic Unit 4:
Land and Water: A delicate
balance (or Can't We All
Just Get Along?)



Thematic Unit 3:

Drinking Water and You



Thematic Unit 5:

Green Plan for the

Future: Playing a Part



Thematic Unit 3:

Down the Drain, or Out of Sight, Out of Mind



Thematic Unit 6: Environmental Stewardship

## **Making it rain**



### **Classroom to Schoolyard Connection**







### Planting powerful STEM opportunities





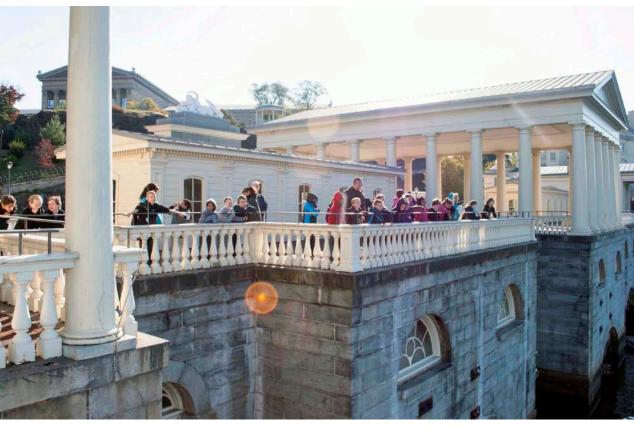
# Fairmount Water Works Field Trips are experiential and place-based learning



### Sensory experience—taking it outside





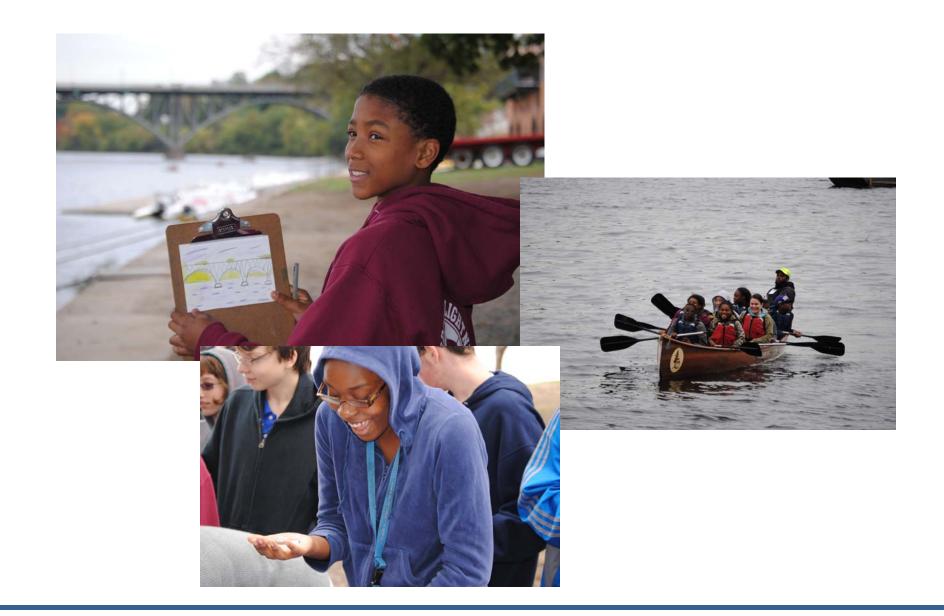


# **Greenfield 4<sup>th</sup> graders test their engineering** skills





### Discovering the river in a myriad of ways



# Middle Years Curriculum Program *Understanding the Urban Watershed*

- 3-year Teacher Fellowship Program supported in large part by the William Penn Foundation Teacher written- teacher driven curriculum
- Powerful learning
- Content support/pedagogy/lesson planning and testing in the classroom
- Connect to real world learning /Resources of PWD and Partners
- Standards-based (Common Core/NGSS)
- Progressive and innovative

# 6<sup>th</sup> grade teachers Year 1 at one of a series of Saturday sessions to Discover, Connect, Act



#### **Curriculum Connections- Get outside**



For more information...

# FAIRMOUNT WATER WATER WORKS

**DISCOVER & CONNECT & ACT** 



#### For more information...

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