

# Interpretive Center Programs



## Water in Our World

**T**his orientation to the Interpretive Center is the perfect overview for teachers focusing on water issues. Students will be introduced to a variety of concepts and vocabulary, using activity booklets on the natural water cycle, watersheds, the water use cycle, land use and pollution.

## Building as Machine: Water for the City

**S**tudents will learn about the design and function of this 19th century pumping station and why it was once the most-visited public place in America. Students will become waterpower engineers as they explore the original drawings and turbine. Through testing of a simple machine, students will gain an understanding of water as a power source.

## Land and Water: A Delicate Balance

**P**eople make choices about how they will use the land around them – often without considering how these choices may affect the water they drink. Let your students come to understand the relationship of land use to water quality. Students will also study maps to understand the development of land over time, and plan fictional communities that would protect water quality.

## From Street to Stream: Slow the Flow

**S**tudents will focus on stormwater runoff, watersheds, and the different kinds of land pollution that affect our water quality. Students will explore the Water Works site to better understand the concepts of point- and non-point-source pollution. The lesson will also give students a look into the Philadelphia Water Department's best management practices for existing and future land development.

## NEW PROGRAMS!

### History of the Manayunk Canal: Industrial Revolution, Environmental Devolution

**T**his full-day class is designed for grades 4 through 8. Through walking tours and examination of 100-year-old documents, students will understand the devastating impact of 19th century industrialization in Manayunk on the drinking water supply in Philadelphia.

### Seeing is Believing: A Drop in the Bucket

**T**hrough this new career-based science education program, high school students will explore the microscopic world of water in a laboratory environment through freshwater sampling. With the use of teleconferencing, the students will communicate directly with PWD's Lab scientists and engineers, and further identify and explore our living water through observation and drawing.

