

## The Solution to Pollution – Sources, Effects, and Prevention of Water Pollution



This hands-on class explains non-point-source and point-source water pollution using a tabletop watershed model. Students study the direct and indirect effects of pollution, and what they can do to prevent it.

Pre-K to 1<sup>st</sup> grade students also learn how to pack a trash free lunch. 2<sup>nd</sup> to 7<sup>th</sup> grade students measure water quality indicators such as dissolved oxygen, salinity, acidity, and turbidity. Additionally, middle school students explore the water cycle.

Grade level: Pre-K to 7<sup>th</sup> grade

Number of students: 16 students

Duration: 1 hour

Cost: \$3 per student

### Maryland Science Standards addressed:

[K-ESS2-2: Environmental Change](#)

[K-ESS3-1: Environmental Relationships](#)

[K-ESS3-3: Environmental Solutions](#)

[2-ESS1-1: Earth Events - Slow and Quick](#)

[2-ESS2-1: Erosion Design Solution](#)

[2-ESS2-2: Mapping Land and Water](#)

[2-ESS2-3: Water on Earth](#)

[3-ESS3-1: Weather-Related Hazard Solution](#)

[4-ESS2-2: Mapping Earth's Features](#)

[4-ESS3-1: Renewable and Non-renewable Energy](#)

[4-PS3-1: Motion Energy](#)

[5-ESS2-1: Earth Sphere Interactions](#)

[5-ESS3-1: Protecting Earth's Resources and Environment](#)

[MS-ESS3-3: Human Impact on the Environment](#)

[MS-ESS2-4: Cycling of Water. Through Earth's Systems](#)

[MS-LS2-5: Biodiversity and Ecosystem Services Solutions](#)



Please contact [coastkids@actforbays.org](mailto:coastkids@actforbays.org) for more information and booking.