

Recycled Water Bracelets



5th-12th Grade

Water Discovery Field Trip Program

Objective

To develop an understanding of the recycled water process and to establish an appreciation of recycled water.

Overview

Students will participate in a discussion on where water comes from, how water travels, wastewater treatment plants, and the importance of recycled water. Students will assemble bracelets with colored beads that represent the different stages of water in the treatment process. Students will be able to keep their bracelets as a reminder of the recycled water process.

Note: This activity correlates with the Wastewater Treatment Plant Tour.

Length of Time

15-20 minutes

Next Generation Science Standards* Connections

5th Grade	5-PS1 Matter and Its Interactions 5-LS2 Ecosystems: Interactions, Energy, and Dynamics 5-LS3 From Molecules to Organisms: Structures and Processes 5-ESS3 Earth and Human Activity
Middle School	MS-PS1 Matter and Its Interactions MS-LS1 From Molecules to Organisms: Structures and Processes MS--ESS3 Earth and Human Activity MS-ETS1 Engineering Design
High School	HS-LS2 Ecosystems: Interactions, Energy, and Dynamics HS-LS4 Biological Evolution: Unity and Diversity HS-ESS3 Earth and Human Activity HS-ETS1 Engineering Design



Common Core State Standards Connections

5th Grade	<i>ELA/Literacy</i>	RI.5.1, RI.5.7, RI.5.9, W.5.1, W.5.7, W.5.8, W.5.9, SL.5.5
	<i>Mathematics</i>	MP.2, MP.4, MP.5, 5.NBT.A.1, 5.NF.B.7, 5.MD.A.1, 5.MD.C.3, 5.MD.C.4
Middle School	<i>ELA/Literacy</i>	RST.6-8.1, RST.6-8.2, RST.6-8.3, RST.6-8.7, RI.6.8, WHST.6-8.1, WHST.6-8.2, WHST.6-8.7, WHST.6-8.8, WHST.6-8.9, SL.8.5
	<i>Mathematics</i>	MP.2, MP.4, 6.RP.A.1, 7.RP.A.2, 6.EE.B.6, 7.EE.B.4, 6.RP.A.3, 6.NS.C.5, 8.EE.A.3, 6.SP.B.4, 6.SP.B.5, 6.EE.C.9, 6.SP.A.2
High School	<i>ELA/Literacy</i>	RST.9-10.8, RST.11-12.1, RST.11-12.2, RST.11-12.7, RST.11-12.8, RST.11-12.9, WHST.9-12.2, WHST.9-12.5, WHST.9-12.7, WHST.9-12.9, SL.11-12.4
	<i>Mathematics</i>	MP.2, MP.4, HSN-Q.A.1, HSN-Q.A.2, HSN-Q.A.3, HSS-ID.A.1, HSS-IC.A.1, HSS-IC.B.6

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