

The Long Haul

4th-12th Grade

Water Discovery Field Trip Program

Objective

To develop an awareness of various volumes of water, appreciation of readily available water supplies in the developed world, and an understanding of how easy access to water can lead people to waste water.

Overview

Students will develop an awareness and appreciation of water's value and availability. This activity will focus on worldwide and historical access to water. Students will participate in a relay to move "buckets of water" (using buckets and bean bags) between two points demonstrating the difficulty of hauling water.

Length of Time

20-30 minutes

Next Generation Science Standards* Connections

4th Grade	4-ESS2 Earth's Systems 4-ESS3 Earth and Human Activity
5th Grade	5-ESS2 Earth's Systems 5-ESS3 Earth and Human Activity
Middle School	MS-ESS2 Earth's Systems MS-ESS3 Earth and Human Activity
High School	HS-LS2 Ecosystems: Interactions, Energy, and Dynamics HS-ESS3 Earth and Human Activity HS-ETS1 Engineering Design



Common Core State Standards Connections

4th Grade	<i>ELA/Literacy</i>	RI.4.1, RI.4.7, RI.4.9, W.4.7, W.4.8, W.4.9
	<i>Mathematics</i>	MP.2, MP.4, MP.5, 4.MD.A.1, 4.MD.A.2, 4.OA.A.1
5th Grade	<i>ELA/Literacy</i>	RI.5.1, RI.5.7, RI.5.9, W.5.8, W.5.9, SL.5.5
	<i>Mathematics</i>	MP.2, MP.4, 5.G.A.2
Middle School	<i>ELA/Literacy</i>	RST.6-8.1, RST.6-8.7, RST.6-8.9, 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, 6.NS.C.5, 6.EE.B.6, 7.EE.B.4, 6.RP.A.1, 7.RP.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
	<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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