



Scientist-in-Residence Programs

NRWA's SIR programs are a series of dynamic lessons designed to support the academic science standards for Massachusetts and New Hampshire schools. Activities include practices of scientific methods, data collection, hands-on experiential learning, recording, reporting, and teamwork.

2025-2026 Program Options for Grades K-8 Program Fees: \$200-225/program, maximum of 4/day

Treemendous Trees: Guardians of the Watershed

Students explore Plant characteristics, structure & function, adaptation, and their unique role in watershed ecosystems

STE Frameworks: K-LS1-1, 1-ESS1-2, 1-LS1-1, 5LS1-1

Animal Adaptations: Wildlife of the Watershed

Showcases Animal characteristics, structure & function, adaptation, and biodiversity.

STE Frameworks: K-LS1-2, 1-LS1-1, 3-LS3-1, 4-LS1-1, 7.MS-LS1-4, 7.MS-2-2

The Enviroscope® Interactive Model: Run Off Pollution & Human Impact

Explains Cause & effect, connections between land & water, social responsibility, and stewardship.

STE Frameworks: 5-ESS2-1, 5-ESS3-1, 7.MS-LS2-5

Aquatic Insect Investigations: Our Freshwater Keystone Species

Demonstrates Macro-invertebrate classification, anatomy, adaptation, pollution indicators, trophic levels.

STE Frameworks: K-LS1-2, 1-LS1-1, 3-LS1-1, 7.MS-2-2

Soil Safari: The World Beneath Your Feet

Depicts how soil is made, life below the surface, water holding properties, compare and contrast analysis.

STE Frameworks: 4-ESS2-1, 5-ESS2-1

How Water Shapes our World

Illustrates the role of water in landforms through erosion, mechanical weathering, and sedimentation.

STE Frameworks: 2-ESS2-1, 2-ESS2-2, 2-ESS2-3, 2-ESS2-4, 4-ESS1-1, 4-ESS2-1,

Water on Earth: Graphing the availability of fresh water in Earth's biosphere

Portrays the importance of freshwater systems, defines varying bodies of water and their water availability.

STE Frameworks: 5-ESS2-2

For more information on Scientist-in-Residence programs or our award-winning River Classroom® canoe-based field trips, contact: Gaynor Bigelbach, NRWA Education Director GaynorB@NashuaRiverWatershed.org 978-448-0299