

# Primary Content Map

The NEW WAVE education programme for primary schools offers in-school lessons and assemblies designed to spark discussions around water conservation, sustainable practices for safeguarding our wastewater network, and exploring the water cycle. This programme additionally offers free tours of Southern Water's Wastewater Treatment Works, complemented by workshops on sustainable drainage systems. All activities are aligned with the National Curriculum, covering key geography, science, and PSHE objectives.

	WATER DETECTIVES	WATER PROTECTORS	WASTEWATER QUEST	BEYOND THE DRAIN: A WASTEWATER TREATMENT CENTRE TOUR
Age group	Lower KS2	Whole School Assembly & KS2 Lesson	KS2	KS2
Time required	60 minutes	60 minutes 75 minutes (with assembly input)	60 minutes 80 minutes (with assembly input)	60 minute tour 60 minute workshop
Summary of resource	<b>KS2 Lesson:</b> Pupils become Water Detectives as they explore the water cycle by solving The Case of the Missing Water Drop. They use an interactive map of their local area to identify key water features and solve the mystery.	<b>Assembly:</b> Pupils learn about their local water sources and discover sustainable ways to protect their water networks. They are encouraged to commit to school-wide pledges aimed at conserving water.  <b>KS2 Lesson:</b> Pupils work through several 'training' stations to become Water Protectors. They discover the many ways we can save water, through card games, scenario solving and pledge making.	<b>Assembly:</b> Pupils join two young presenters on a virtual tour of a wastewater treatment works, engaging with quest-style quiz questions throughout the journey.  <b>KS2 Science Lesson:</b> Pupils explore mixtures and filtration by creating their own drain juice before carrying out a filtration investigation.	<b>Tour:</b> Pupils embark on a tour of one of Southern Water's wastewater treatment works, discovering the scientific processes involved in cleaning wastewater and the importance of returning 'nature clean' water back into the local environment. They will also meet Southern Water employees along the way.  <b>Slow the Flow workshop:</b> Pupils explore sustainable drainage systems, understanding their critical role in slowing the flow of rainwater into the wastewater network. They investigate various materials to evaluate their permeability and determine the most sustainable option for driveway surfaces.
Topics	Water cycle, natural resources	Sustainability, natural resources, water	Sustainability, natural resources, mixtures and filtration	Natural resources, working scientifically
National Curriculum links	<b>Geography:</b> Describe and understand the water cycle. Use maps to describe features.  <b>Science: Y4:</b> Identify the part played by evaporation and condensation in the water cycle.	<b>Geography:</b> Describe and understand the distribution of natural resources including water.  <b>PSHE:</b> Learn ways of carrying out shared responsibilities for protecting the environment in school and at home; Learn how everyday choices can affect the environment.	<b>Science: Y5:</b> Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering.  <b>PSHE:</b> Learn ways of carrying out shared responsibilities for protecting the environment in school and at home; Learn how everyday choices can affect the environment.	<b>Geography:</b> Describe and understand the distribution of natural resources including water.  <b>PSHE:</b> Learn ways of carrying out shared responsibilities for protecting the environment in school and at home; Learn how everyday choices can affect the environment.  <b>Science: Y3&amp;4:</b> Set up simple fair tests; Report findings from enquiries Y5&6: Plan different types of scientific enquiries, controlling variables where necessary; Report and present findings from enquiries.
Resources provided	Interactive map and regional resources 	Assembly & lesson presentation, Waste or Save card game, pledge pack 	Assembly & lesson presentation, interactive video, score sheet, teacher guide, investigation sheet 	Teacher letters, parent letters, in-person worksheets 