



Program Overview & Learning Objectives

Assembly Title: *Waterology*

Grades: TK–6

Presenters: Michael “Tuba” Heatherton, Noelle Reicherts, or Obediah Thomas

Program Length: Approx. 45 minutes

Program Overview:

Waterology is a fun, fast-paced, and highly interactive school assembly that makes water science come alive for TK–6 students. Using songs, skits, audience competitions, call-and-response, and plenty of humor, the show transforms complex concepts about water into memorable, student-friendly lessons.

Presented by experienced performers Michael “Tuba” Heatherton, Noelle Reicherts, or Obediah Thomas, *Waterology* explores how water moves, why it matters, and what students can do to be more water-wise in their daily lives. Often paid for by partnerships with local water districts, this program delivers both entertainment and real-world relevance—especially for students living in California, where water conservation is more than just good advice.

Learning Objectives:

By the end of the assembly, students will be able to:

- Describe the basic stages of the water cycle, including evaporation, condensation, precipitation, and collection.
 - Understand the journey of water from natural sources to homes, schools, and communities.
 - Recognize the value of water as a limited and essential natural resource.
 - Identify key water issues in California, such as drought and overuse.
 - Explain why water conservation is important and how human behavior impacts water availability.
 - Apply simple, practical strategies to use water more efficiently at home and at school.
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Educational Standards Alignment:

This program supports NGSS-aligned science instruction (Earth's Systems & Human Impact on Resources), environmental education goals, and encourages responsible citizenship.