

Activity name: Acid Deposition Sampling

This activity is meant to provide a real-world application of the ATEEC Recommended Core Curriculum's math, science, technical, communications, or critical thinking knowledge and skill concepts identified by ATEEC Fellows as necessary preparation for environmental technology occupations.

Appropriate for which course(s)? Environmental Science/Biology

Concept/skill learned: Use analytical meters and instruments. Identify, calibrate, maintain and use lab and field equipment. Perform lab/field tests to determine the level of contaminants in a water sample. Appropriately label samples and reagents.

Approximate time to complete activity: Several weeks depending on weather and desired length.

Source of idea or activity: Enger, Smith; Environmental Science; Wm. C. Brown; 1992.

Materials/resources needed: pH meter, (or paper); sample jars; data table; graphs

Description of activity: Students collect samples from various sources, (e.g., rain, snow, streams, lakes, bogs, marshes, ponds) over a period of time and measure pH, develop graphs or charts. Could also include correlated wind direction, temperature, and storm data.

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