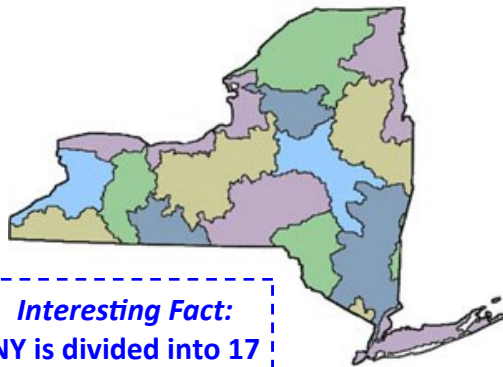
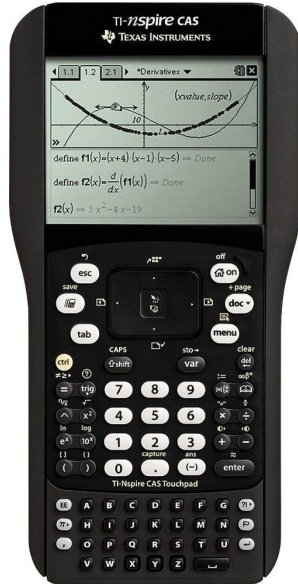


Collecting Data

Students may have TI-84 Plus or TI-Nspire calculators to use with the probeware. If not, ESP has TI-nspire CAS calculators for your classroom to use during your classroom investigations with the probes.



Interesting Fact:
NY is divided into 17 watersheds.

COST OF PROBEWARE:

Description of Resources	Cost
Vernier Probeware: <ul style="list-style-type: none"> • Easy Temp • Dissolved Oxygen • pH • Turbidity • Conductivity 	FREE **
TI-CAS Nspire Handheld/Calculator	

**Teachers must be trained in the use of the equipment. Training sessions are held in the fall and spring at ESP. Training sessions can also be held in districts for interested teachers.

Probeware is leased to classrooms for a two week period. Extensions to this two week period may be possible based on equipment availability.

****Available to schools in Monroe County only.** ESP couriers deliver and pick up the equipment.

FOR MORE INFORMATION: THE ELEMENTARY SCIENCE PROGRAM

38 Turner Drive
Spencerport, NY 14559

Phone: 585-352-1140

Fax: 585-352-1157

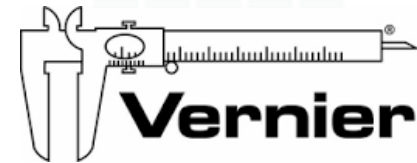
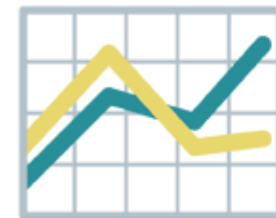
E-mail:

krumery@monroe2boces.org

THE ELEMENTARY SCIENCE PROGRAM



Vernier Probeware for Classrooms



PROBEWARE AVAILABLE FROM ESP

Why use probeware in the classroom?

Students are able to model the skills used by scientists in the field, and the skills of data collection and analysis, problem solving, and analytical thinking are important for the student in the 21st century classroom.

Temperature Probe

Vernier EasyTemp attaches directly to the USB port of a TI-84 Plus graphing calculator or TI-Nspire handheld. Connecting the sensor to the calculator or handheld will launch the data collection application, and you are ready to collect data.



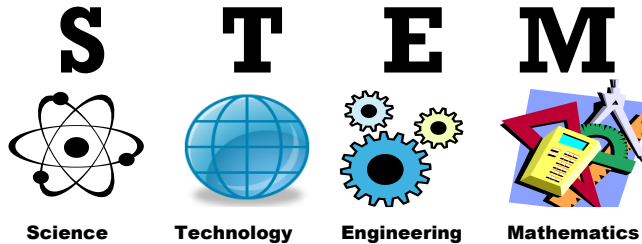
Dissolved Oxygen Probe

This probe can be used to perform a variety of experiments to determine changes in dissolved oxygen levels, a primary indicator of the quality of an aquatic environment.



pH Sensor

Use the pH Sensor as you would a traditional pH meter or pH paper. The additional advantage of using this sensor includes automated data collection, graphing, and data analysis.



Conductivity Probe

This probe can be used to perform a variety of experiments to determine changes in dissolved oxygen levels, a primary indicator of the quality of an aquatic environment.



Turbidity Sensor

The Turbidity Sensor is used to measure the clarity of freshwater or seawater samples to determine water quality. Simple setup and calibration make it easy to use at the collection site or back in the classroom.

EasyLink™



Vernier Easy Link

1. Connect a compatible sensor to EasyLink.
2. Connect EasyLink to a TI-84 Plus or TI-Nspire handheld, and the Vernier data collection software launches automatically.
3. Press **Start** and you are collecting data!

