

Loan Equipment and Where You Can Buy Your Own

The following is a list of the equipment that Friends of the Chicago River has for loan. If you would like to purchase your own, we have provided some sources. Please note, there are many other water quality tests available, some of which may be better suited to your students.

If we are joining you on your field trip, we will bring the needed equipment with us. If you are going out on your own or would like students to practice with the equipment in the classroom, contact us at (312)939-0490, ext. 11 to check availability.

Beginner Chemistry Tests – Recommended for Elementary and Early Middle

Equipment	Company and Catalog #	Ordering Information
Low Cost Water Quality Monitoring Kit: Nitrate, Phosphate, Dissolved Oxygen, Fecal Coliform, pH, temperature, turbidity	LaMotte 5886	www.earthforce.org/catalog

Advanced Chemistry Tests – Recommended for upper Middle and High

Equipment	Company and Catalog #	Ordering Information
Surface Water Test Kit: Free and total Chlorine, Dissolved Oxygen, Nitrate, Ammonia Nitrogen, Ortho Phosphate, pH, temperature	Hach 25598-33	www.hach.com
Phosphate	Hach 2248-00	www.hach.com
Nitrate	Hach 14161-00	www.hach.com
Dissolved Oxygen	Hach 1469-00	www.hach.com
Thermometers		www.siue.edu/OSME/river/Ordering%20Materials/Order.html
pH	Hach 1470-11	www.hach.com
Turbidity Tube		http://www.wildco.com/vw_prdct_md1.asp?prdct_md1_cd=58T
Turbidity Chemical Kit	LaMotte 7519	www.lamotte.com
Secchi disk	Forestry Suppliers: Student Secchi Disk	www.forestry-suppliers.com

Macroinvertebrate Sampling

Equipment	Company and Catalog #	Ordering Information
Two way microscope	Nasco SB19020M	www.nascofa.com
Aquatic Net	Forestry Supplies 53755	www.forestrysupplies.com
Leaf pack bags	LaMotte 5882-LPB	www.lamotte.com
Hester-Dendy Multiple Plate Sampler (Square)	77265	www.forestrysuppliers.com
Trays (for viewing macroinvertebrates)		www.siue.edu/OSME/river/Ordering%20Materials/Order.html
Entomological Forceps	Bioquip #4750	www.bioquip.com
Benthic macroinvertebrate cards (laminated)	Illinois EcoWatch	www.siue.edu/OSME/river/Ordering%20Materials/Order.html
Macroinvertebrate black and white dichotomous key	Illinois EcoWatch	dnr.state.il.us/orep/inrin/ecowatch/RIVER/intro.htm (pdf file)
Macroinvertebrate water quality calculation sheet	NA	www.chicagoriver.org/education , click field trips, then activities, then Macroinvertebrate Monitoring

General Items

Equipment	Company and Catalog #	Ordering Information
Hip Waders	Forestry Suppliers - Pro Line Non-Insulated Hip Boots	www.forestry-suppliers.com (many other types of boots available from other companies)
50m tape measure		www.siue.edu/OSME/river/Ordering%20Materials/Order.html