

## ESI Inventory by Vendor

### ISS Systems

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	10	15	Each	Food Chain software	ISEE Systems Store
	10	15	Each	Stella® Online subscriptions	ISEE Systems Store

### Lab-Aids

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	10	15	Each	Alcohol burner	Lab-Aids
	1	2	Bottle	Ethanol	Lab-Aids
	20	30	Each	Graduated cup, 30ml	Lab-Aids
	1	1	Bag	Soil, clay	Lab-Aids

### Local – Grocery

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	1	1	Pint	Alcohol, isopropanol, 70%	Local – Grocery
	2	2	Roll	Aluminum foil	Local – Grocery
	10	15	Each	Cat litter sifting tray ( <i>sifter and collection tray</i> )	Local – Grocery
	120	130	Each	Coffee filters	Local – Grocery
	1	1	Pkg	Cotton swabs	Local – Grocery
	50	75	Each	Cup, plastic, 3 oz	Local – Grocery
	80	120	Each	Cup, plastic, clear, 12 oz	Local – Grocery
	14	18	Gallon	Distilled water	Local – Grocery
	10	15	Each	Jar, ½ gallon, mason, wide-mouth, w/ lids	Local – Grocery
	10	15	Each	Jar, quart, with lids	Local – Grocery
	3	4	Each	Jugs, 1 gallon ( <i>see Teacher Notes</i> )	Local – Grocery
	1	1	Pint	Lemon juice	Local – Grocery
	10	15	Rolls	Paper towels	Local – Grocery
	1	1	Each	Plastic bag, gallon, sealable	Local – Grocery
	40	60	Each	Plastic bag, quart-size, sealable	Local – Grocery
	1	1	Each	Plastic wrap, roll	Local – Grocery
	45	70	Each	Spoon, plastic	Local – Grocery
	1	1	Gal	Water, spring	Local – Grocery
	1	1	Jar	Yeast, 4 oz.	Local – Grocery

### Local – Hardware/Tools

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	1	1	Each	Ammonium aluminum sulfate (alum)	Local – Hardware/Tools
	7	10	Each	Bucket, Two-gallon	Local – Hardware/Tools
	10	15	Each	Bulb, Florescent light bulb (60w equivalent)	Local – Hardware/Tools

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	10	15	Each	Bulb, Incandescent light (60w)	Local – Hardware/Tools
	10	15	Each	Bulb, LED light bulb (60w equivalent)	Local – Hardware/Tools
	10	15	Each	Butane lighter	Local – Hardware/Tools
	7	10	Each	Hammer	Local – Hardware/Tools
	10	15	Each	IR thermometer (with 12:1 D:S ratio)	Local – Hardware/Tools
	10	15	Each	Lamp base with clamp	Local – Hardware/Tools
	1	1	Pkg	Markers, assorted, colored	Local – Hardware/Tools
	1	1	Pkg	Miracle-Gro® fertilizer (see <i>Teacher Notes</i> )	Local – Hardware/Tools
	1	1	Quart	Pool water clarifier	Local – Hardware/Tools
	28	40	Each	PVC elbows, ½”	Local – Hardware/Tools
	80	120	Feet	PVC pipe, ½”	Local – Hardware/Tools
	7	10	Each	Quadrat (build using listed PVC materials)	Local – Hardware/Tools
	14	20	Each	Stake, wooden	Local – Hardware/Tools
	21	30	Each	Survey flag	Local – Hardware/Tools
	7	10	Each	Tape measure, 100ft (see <i>Teacher Notes</i> for other options)	Local – Hardware/Tools
	2	3	Roll	Tape, electrical	Local – Hardware/Tools
	10	15	Each	Trowel, garden	Local – Hardware/Tools

### Local – Office

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	20	30	Each	Binder, Three-inch, three-ring	Local – Office
	20	30	Each	Clipboard	Local – Office
	10	15	Each	Colored pencils, assorted	Local – Office
	20	30	Each	Device with calculator	Local – Office
	10	15	Each	Device with timer	Local – Office
	20	30	Each	Glue	Local – Office
	20	30	Each	Highlighter, green	Local – Office
	20	30	Each	Highlighter, pink	Local – Office
	1	1	Ream	Paper, graph paper	Local – Office
	10	15	Sheets	Paper, printer	Local – Office
	10	15	Each	Permanent marker	Local – Office
	10	15	Each	Permanent marker, fine tip	Local – Office
	25	35	Sheets	Posterboard	Local – Office
	20	30	Each	Ruler	Local – Office
	20	30	Pair	Scissors	Local – Office
	1	1	Pkg	Stickers, colored dots	Local – Office
	10	15	Pkg	Sticky notes	Local – Office
	120	180	Each	Tab dividers	Local – Office
	120	180	Each	Tab label inserts	Local – Office

### Local – Samples

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	10	15	Quarts	Dirty water (see <i>Teacher Notes</i> )	Local – Samples
	-	-	Misc.	Local energy bills	Local – Samples
	3	4	Gallon	Pond water sample	Local – Samples

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	200	200	grams	Sawdust, ground	Local – Samples
	½	½	Gallon	Soil, local	Local – Samples
	1	1	Gal.	Soil, sand	Local – Samples
	1	1	Gal.	Soil, sandy loam soil	Local – Samples

## Miscellaneous

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	7	10	Each	Plant identification book	Miscellaneous
	20	30	Each	ArcGIS accounts	<a href="http://www.arcgis.com">www.arcgis.com</a>
	1	1	Bottle	Celluclast™ enzyme, 50ml <b>or</b> cellulase enzyme	Sigma – Aldrich #C2730
	4	4	Each	<i>Daphnia magna</i> culture	Carolina Biological
	10	15	Each	Kill A Watt® P3 Model: P4400.01	<a href="http://Amazon">Amazon</a>
	20	32	Each	Falcon tubes, 50ml	<a href="http://Amazon">Amazon</a>
	-	-	Mics.	Water purification supplies (See <i>Teacher Notes</i> )	Local
	-	-	Misc.	Water testing materials (See <i>Teacher Notes</i> )	Local

## Vernier

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	1	1	Each	Ammonium high standard solution	Vernier
	1	1	Liter	Ammonium low standard solution	Vernier
	10	15	Each	Conductivity sensor <b>or</b> Go Direct™ conductivity sensor	Vernier
	5	8	Each	Go! Link (If using Go!Link™ option)	Vernier
	10	15	Each	LabQuest3 with USB cord and power supply <b>or</b> Graphical Analysis™ software	Vernier
	1	1	Each	Logger Pro® site license	Vernier
	1	1	Each	pH buffer capsules	Vernier
	1	1	Bottle	pH sensor storage solution	Vernier
	10	15	Each	Soil moisture sensor <b>or</b> Go Direct™ soil moisture sensor	Vernier
	1	1	Each	Standard high NO <sub>3</sub> ISE solution	Vernier
	1	1	Each	Standard low NO <sub>3</sub> ISE solution	Vernier
	10	10	Each	Vernier ammonium ion selective electrode (ISE) <b>or</b> Go Direct™ Vernier ammonium ISE	Vernier

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	5	8	Each	Vernier ethanol sensor kit, including Teflon tape <b>or</b> Go Direct™ ethanol sensor kit, including Teflon tape	Vernier
	5	8	Each	Vernier nitrate ion selective electrode (ISE) <b>or</b> Go Direct™ nitrate ion selective electrode (ISE)	Vernier
	5	8	Each	Vernier pyranometer	Vernier
	10	15	Each	Vernier soil moisture sensor <b>or</b> Go Direct™ soil moisture sensor	Vernier
	10	15	Each	Vernier temperature sensor <b>or</b> Go Direct™ temperature sensor	Vernier
	10	15	Each	Vernier tris-flat pH sensor <b>or</b> Go Direct™ tris-flat pH sensor	Vernier
	10	15	Each	Vernier turbidity cuvette	Vernier
	10	15	Each	Vernier turbidity sensor	Vernier

## Ward's

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	1	1	Each	Ammonium sulfate (100g)	Ward's
	20	30	Each	Beaker, 50ml	Ward's
	20	30	Each	Beaker, 100ml	Ward's
	30	45	Each	Beaker, 250ml	Ward's
	10	16	Each	Beaker, 400ml	Ward's
	5	5	Each	Beaker, 600ml	Ward's
	1	1	Each	Bottle, 1L	Ward's
	3	4	Boxes	Disposable gloves, assorted sizes	Ward's
	5	8	Each	Electronic balance	Ward's
	1	1	Each	<i>Environmental Chemistry: Nitrates, Phosphates and Eutrophication kit</i>	Ward's
	10	15	Each	Forceps	Ward's
	20	30	Each	Funnel, Berlese	Ward's
	20	32	Each	Funnel, small	Ward's
	20	30	Each	Glass stirring rod	Ward's
	10	15	Each	Graduated cylinder, 100ml	Ward's
	10	15	Each	Hot hand protector	Ward's
	5	8	Each	Hot plate	Ward's
	20	30	Each	Lab apron	Ward's
	20	30	Each	Laboratory notebook	Ward's
	10	15	Rolls	Laboratory tape	Ward's
	1	1	Pkg	Lens paper	Ward's
	10	15	Each	Microscope	Ward's
	1	1	Each	<i>Pandorina</i> freshwater algae culture	Ward's
	20	30	Each	Petri dish	Ward's

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	300	450	Each	Pipet, 1ml	Ward's
	10	15	Each	Rapitest <sup>®</sup> soil test kit for N-P-K	Ward's
	10	15	Each	Ring stand	Ward's
	10	15	Each	Rinse bottle	Ward's
	20	30	Pair	Safety glasses	Ward's
	1	1	Each	<i>Scenedesmus</i> freshwater algae culture	Ward's
	1	1	Bottle	Sulfuric acid solution, 0.05M, 500ml	Ward's
	5	8	Each	Test tube rack	Ward's
	5	8	Each	Tongs, test tube	Ward's
	10	15	Each	Utility clamp	Ward's
	1	1	Each	Water bath	Ward's
	-	-	Misc	Water and air collection materials (See <i>Teacher Notes</i> )	Ward's
	20	30	Each	Weighing dish	Ward's