

SAVI/SELPH

Science Activities for the Visually Impaired &
Science Enrichment for Learners with Physical Handicaps



Lawrence Hall of Science
University of California at Berkeley

SAVI/SELPH SCIENCE PROGRAM

SAVI/SELPH was developed specifically to meet the science education needs of special education students and their teachers, grades 3–8. Students with visual impairments, physical disabilities, learning disabilities, hearing impairments, developmental disabilities, and behavior disorders are all enthusiastic science students when SAVI/SELPH activities are used. Teachers who have no science background soon become confident users of SAVI/SELPH when they discover how easy it is to lead the motivating activities.

THE CENTER FOR MULTISENSORY LEARNING (CML)

The CML is a group at the non-profit Lawrence Hall of Science, University of California at Berkeley. The CML is concerned with all aspects of science education for learners with disabilities: curriculum development, professional development, student workshops, career awareness, computer applications, and much more. CML manufactures and distributes the SAVI/SELPH program materials on a cost-recovery basis.

WHAT'S AVAILABLE?

The SAVI/SELPH Program is composed of three major components: 1) printed activity instructions for the teacher; 2) teacher-preparation videos for six of the modules; and 3) student equipment kits.

Folios. Teacher activity guides (lesson plans) are called folios. Four to seven folios on one subject are packaged together as a module. The SAVI/SELPH program has nine different modules, each costing \$6.00.

Equipment Kits. Student materials are packaged in equipment kits. One equipment kit is sufficient for four disabled students, or four teams of students (2–4 students per team) if sharing is appropriate. SAVI/SELPH has nine equipment kits, one for each module.

For information on orders, contact Alev Burton
aburton@uclink.berkeley.edu

PURCHASING EQUIPMENT

SAVI/SELPH equipment is offered for purchase in three separate formats.

1. Complete Kits

A Complete Kit contains ALL of the equipment items needed to conduct ALL of the activities in a module. If you order only one kit, or if you order several different kits that may be used concurrently, order Complete Kits. All nine complete kits = 1 SAVI/SELPH Complete Program.

2. Economy Kits

Several major equipment items are used in two or more modules. If you were to purchase the entire program (all nine equipment kits), you would have 18 sorting trays, 10 balances, dozens of extra cups, and so forth. Economy Kits eliminate redundancy of equipment. Here's how:

We take a Complete Measurement Kit and add to it all of the equipment items that are used in two or more modules. This is a Comprehensive Measurement Kit. It costs more than a Complete Measurement Kit—it has extra equipment.

If you have the Comprehensive Measurement Kit, you can then order Economy Kits for other modules. Economy Kits include all of the materials used ONLY in that module—none of the items used in more than one module is included. You go to your Comprehensive Measurement Kit for those items when you are going to teach a lesson using an Economy Kit. When SAVI/SELPH is used in a resource room, a single classroom, or as a teacher-training tool, consider the cost savings of using Economy Kits. The Comprehensive Measurement Kit plus eight Economy Kits = 1 SAVI/SELPH Economy Program.

3. Line Items

Some people want only specific equipment items. These individual items can be ordered from the Line Item lists for each module.

ORDER FORM 2003--2004

SAVI/SELPH Order Form

Center for Multisensory Learning
Lawrence Hall of Science
University of California
Berkeley, CA 94720

Voice number: (510) 642-8941
FAX number: (510) 642-7387

Date:

P.O. Number:

Send Bill to:

Send Material to:

SAVI/SELPH EQUIPMENT KITS with activity titles	Complete kit	Economy kit	Quantity ordered	Subtotal
Measurement Module <ul style="list-style-type: none"> • Overview • Weight Watching • The First Straw • The Third Degree • Take Me to Your Liter 	228.00			
		268.00*		
Structures of Life Module <ul style="list-style-type: none"> • Overview • The Sprouting Seed • Origin of Seeds • Growing Further • Meet the Crayfish • Crayfish at Home • Seed Grams • Roots 	196.00			
		146.00		
Scientific Reasoning Module <ul style="list-style-type: none"> • Overview • Swingers • Jump It • Plane Sense • Howdy Heart • Rafts 	123.00			
		103.00		
Communication Module <ul style="list-style-type: none"> • Overview • What's Your Pitch? • Dropping In • Vibration = Sound • Small Sounds/Big Ears 	138.00			
		121.00		
Magnetism and Electricity Module <ul style="list-style-type: none"> • Overview • Current Attractions • The Force • Click It • Making Connections 	183.00			
		135.00		
Mixtures and Solutions Module <ul style="list-style-type: none"> • Overview • Reaching Saturation • Separating Mixtures • The Fizz Quiz • Concentration 	203.00			
		124.00		
Environments Module <ul style="list-style-type: none"> • Overview • Isopods • Environmental Plantings • The Wanted Weed • Sea What Grows 	92.00			
		58.00		
Kitchen Interactions Module <ul style="list-style-type: none"> • Overview • The Cookie Monster • The Acid Test • The Sugar Test • How Dense? 	201.00			
		106.00		
Environmental Energy Module <ul style="list-style-type: none"> • Overview • Blowin' in the Wind • Solar Water Heater • Wind Power • Sun Power 	132.00			
		102.00		

SAVI/SELPH Complete Program	1496.00			
SAVI/SELPH Economy Program		1163.00		
Activity Folios only, all nine modules		50.00		
Single Activity Folio (include title)		6.00		
Teacher Preparation Video (only available for selected modules) Communication, Environmental Energy, Kitchen Interactions, Magnetism and Electricity, Mixtures and Solutions, Scientific Reasoning.		10.00		
Line Items ordered from individual module kits				

❖ Orders from schools and institutions:
A regular purchase order must accompany your order.

❖ Orders from individuals:
A check payable to U. C. Regents must accompany your order.

* This is the Comprehensive Measurement Kit. See explanation on page one.

** Orders outside the continental US will be charged full cost of shipping.

SUBTOTAL	
8.25% Sales Tax (CA only)	
Shipping and Handling (10% of Subtotal)**	
TOTAL	

Prices effective May 1, 2003

SAVI/SELPH Line Items

MEASUREMENT Module

Item	Price	Number ordered	Extended price
Folio set, Measurement	6.00		
Balance, SAVI/SELPH	16.10		
Beaker, 100-ml, modified	0.75		
Beaker, 1000-ml, modified	1.50		
Bus tray	10.95		
Coffee cup, plastic	0.25		
Container, 1-liter, white	0.35		
Container, half-liter, clear	0.25		
Cups, plastic, 50/set	6.50		
Dots, rubber, 3/4", 100/set	2.50		
Graduate, 50-ml, with float	4.50		
Gram pieces, 100/set	3.95		
Jug with lid, 4-liters	2.20		
Lids, plastic, for containers	0.15		
Mason line, 15 meters	2.50		
Mass set, 35 square plastic pieces	9.50		
Meter tape, print, 100cm	1.10		
Meter tape, plastic, SAVI/SELPH	6.30		
Paper clip, jumbo, 100/box	1.70		
Paper clip, regular, 100/box	1.00		
Pitcher, 4 liters	3.00		
Poker chips, 4/set	0.25		
Sharpie pen, black	1.30		
Stirring sticks, 50/pkg	0.70		
Straws, 50/pkg	1.00		
Syringe, 50-ml, with stop	4.70		
Thermometer, alcohol, Celsius	1.90		
Thermometer, SAVI/SELPH, Celsius	13.80		
Vial, 12 dr.	0.15		
Vial, 7 dr.	0.40		
Washers, 2 sizes, 8/set	0.65		

COMPREHENSIVE MEASUREMENT Items

Item	Price	Number ordered	Extended price
Basin	2.80		
Beaker, 250-ml	0.60		
Beaker, 50-ml	0.50		
Paper fasteners, 1", 50/pkg	2.50		
Planter cup	0.15		
Sorting tray	3.50		
Spoon, 5-ml	0.60		

COMMUNICATION Module

Item	Price	Number ordered	Extended price
Folio set, Communication	6.00		
Barndoor fiddle	11.80		
Beans, 20/bag	0.25		
Brass bars, 4/set	3.80		
Drop chamber with vision barrier	3.15		
Drop objects, paired objects	3.45		
Foam rubber piece	1.05		
Kalimba base	5.95		
Kalimba springs, 3/set	3.05		
Mallet	1.50		
Megaphone	1.30		
Stirring sticks, 6/pkg	0.15		
Tone generator, SAVI/SELPH	30.00		
Tuning forks, 2/set	16.55		

STRUCTURES OF LIFE Module

Item	Price	Number ordered	Extended price
Folio set, Structures of Life	6.00		
Brush, scrub	2.30		
Catfood, bag	0.65		
Container for hydroponics	4.85		
Crayfish houses, 4/set	5.15		
Duct tape, roll, 10-m	2.10		
Glue stick	1.25		
Gravel in container, 600g	0.85		
Habitat sheets, 6/set	2.30		
Histogram board	5.00		
Hydroponic plant holder	4.80		
Model crayfish, sheet	1.60		
Nutrient powder	1.15		
Seeds, bush bean	1.15		
Seeds, pea	0.70		
Seeds, sunflower	0.95		
Spoon, 2-ml	0.50		
Spoon, plastic	0.10		
Sprouter	25.95		
Straws, 50/pkg	1.00		
Tubing, 1 large, 1 small/pkg	1.00		
Vermiculite, bag, 3-quart	1.15		

SCIENTIFIC REASONING Module

Item	Price	Number ordered	Extended price
Folio set, Scientific Reasoning	6.00		
Alcohol pads	0.75		
Duct tape, roll, 10m	2.10		
Flight line, roll, 10-lb. test	3.10		
Plane assembly	2.30		
Raft record board	2.50		
Rafts, 3/set, plus plastic fence	10.00		
Recording dots, 100/set	0.65		
Rubber bands, #33, 10/pkg	0.65		
Sandpaper, 2 pieces/pkg	0.40		
Stethoscope	8.95		
String, ball	2.45		
Washers, 1" diameter, 100/set	4.00		

MAGNETISM AND ELECTRICITY Module

Item	Price	Number ordered	Extended price
Folio set, Magnetism and Electricity	6.00		
Bolt with nut glued in place	0.40		
Circuit board, SAVI/SELPH	6.00		
Clip lead	1.25		
Dry cell, D-size	1.60		
Magnet	0.40		
Magnet cups, set of A and B	1.50		
Magnet on a post	1.35		
Motor with clips	2.60		
Mystery box	2.50		
Neck cord for circuit board	0.95		
Recording dots, 100/set	0.65		
Screw driver	1.70		
Spacers, 12/bag	1.00		
Steel strip with screw	0.65		
Switch with clips	4.00		
Telegraph lines, 5-m length	4.00		
Washers, 1 3/8" diameter, 20/set	2.75		
Washers, 3/8" diameter, 100/set	1.80		
Wire, 4 sets of 3 (50, 100, 150 cm)	1.25		



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ENVIRONMENTS Module

Item	Price	Number ordered	Extended price
Folio set, Environments	6.00		
Black paper for isopod runway	0.50		
Isopod runway	5.75		
Lamp with stand	13.80		
Light bulb, 40-watt	1.50		
Onion bulbs, bag	1.40		
Paper bag	0.15		
Plastic flagging, 10-m length	0.50		
Salt in container, 300g	1.25		
Seeds, barley	0.75		
Seeds, bush bean	1.15		
Seeds, sunflower	0.95		
Soil, potting, 8-quart bag	2.60		
Sponges, isopod, 2/set	0.50		
Trowel	2.50		
Zip bags, 1-gallon size, 20/pkg	2.50		

ENVIRONMENTAL ENERGY Module

Item	Price	Number ordered	Extended price
Folio set, Environmental Energy	6.00		
Box for fan support	1.90		
Cardboard sheet	0.65		
Dry cell, AA-size	.75		
Fan, miniature	2.20		
Hole punch	2.50		
Recording dots, 100/set	0.65		
Solar collector plate, large	1.65		
Solar collector plate, medium	1.65		
Solar collector plate, small	1.65		
Solar heater plastic cover, large	1.65		
Solar heater plastic cover, med.	1.65		
Solar heater plastic tray, large	1.65		
Solar heater plastic tray, medium	1.65		
Solar heater plastic tray, small	1.65		
Straws, large, 50/pkg (super jumbo)	1.25		
Straws, small, 50/pkg, (jumbo)	1.00		
Thread, spool	1.70		
Tubes, cardboard, large	0.40		
Tubes, cardboard, small, 2 holes	0.60		
Vinyl sheet for pinwheels, 6/pkg	2.30		

MIXTURES AND SOLUTIONS Module

Item	Price	Number ordered	Extended price
Folio set, Mixtures and Solutions	6.00		
Baking soda in container, 500g	1.95		
Bottle, clear plastic with lid, 4oz.	0.50		
Calcium chloride in cont., 400g	5.95		
Citric acid in container, 450g	6.75		
Cloth filter	0.35		
Filter paper, 100/pkg	1.15		
Funnel stand, SAVI/SELPH	11.95		
Gravel in container, 600g	1.25		
Kool-Aid, 10-quart container	4.00		
Diatomaceous earth, 150g	2.00		
Salt, kosher, 3 lb. box	2.30		
Sieve	2.00		
Spoon, 15-ml	0.60		
Straws, 50/pkg	1.00		
Zip bags, 1-quart, 25/pkg	2.70		
Zip bags, bead size, 25/pkg	1.60		

KITCHEN INTERACTIONS Module

Item	Price	Number ordered	Extended price
Folio set, Kitchen Interactions	6.00		
Additional cargo, How Dense?	3.00		
Baking soda in container, 500g	1.25		
Cookies	1.00		
Flour in container, 200g	0.85		
Reaction bottle, The Acid Test	1.35		
Recording dots, 100/set	0.65		
Salt, kosher, 3-lb. box	2.30		
Silicone spray lubricant, can	7.50		
Spoon, 1-ml	0.60		
Standard cargo, How Dense?	2.30		
Sugar in container, 350g	1.00		
Syringe, modified for Acid Test	4.70		
Vinegar in container, 1 liter	1.85		
Volume tube, SAVI/SELPH	5.50		
Yeast, 30 packets/set	23.00		
Zip bags, 1-quart size, 50/pkg	5.40		