

**KIT CONTENTS LIST FOR USE WITH: Science LightUnit®  
1000 Series  
Christian Light Publications**

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<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
1003, 1004, 1006, 1008	Home LED Microscope (MI-4100LST)		We recommend this microscope as the best choice for most home schools. It will provide excellent service through high school. See our website for other microscope options. Order separately.
1001, 1002, 1006, 1008	Probe & Seeker (DE-PROBE )	1	
1001, 1002, 1006	Scissors, Dissecting (DE-SCISSOR)	1	
1001, 1003, 1004, 1008	Forceps, stainless steel (DE-FORCEP)	1	
1001, 1003, 1005, 1008	Magnifier, tripod, 10X (OP-TRIPMAG)	1	We recommend this item instead of a magnifying glass for these labs.
1001, 1003, 1005, 1008	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)		magnifying glass 2", 3x lens. Order separately.
1001, 1003, 1004, 1005, 1008	Razor Blade, single edge, 1 pack (CE-RAZOR )	1	
1001, 1008	Teasing Needle, straight (DE-NEEDSTR)	1	
1002	Alcohol Lamp Burner, Wickless (CE-LAMP )		Optional. Use a stove burner and pan. Order separately.
1002	Alcohol Lamp Stand (CE-STAND1 )		Optional. Order only if you are buying an alcohol lamp but not a ring stand for this course. Order separately
1002	Alligator Clip Leads, 2 pack (EL-ALCLIP2)	1	
1002	Balloon Set of 9 (GS-BALLOON)		Balloon set of 9, order separately or find at local supply store.
1002	Battery, 6 volt (EL-BATT6 )	1	Use instead of three expensive 1-1/2 volt dry cells.
1002	Biuret Reagent, 30 ml (UN-BIURET )	1	Use instead of the copper sulfate solution. Put 20 drops of the food material to a test tube, add 2 drops Biuret indicator. A slight purple color indicates protein.
1002	Calcium Hydroxide, 30 g (CH-CA(OH)2)	1	Use instead of lime tablets.
1002	Chalk (calcium carbonate) (CH-CHALK )	1	
1002	Cheesecloth, bleached (GS-CHCLOTH)		cheesecloth that measures approximately 36" x 36, order separately or find at local supply store.
1002	Chemical Splash Safety Goggles, Adult (CE-GOGGLE1)	1	Always wear when using chemicals. Order extra if needed.
1002	Electrolysis Electrodes (EL-ELECTRO)	1	
1002	Ethyl Alcohol, 95%, 30 ml (UN-ETHYALC)	2	Optional. Order only if you don't want to purchase denatured alcohol locally for the alcohol lamp.
1002	Filter Paper, 11 cm, 10 pack (CE-FILTPAP)	1	
1002	Friction pad, silk, 6x6" (GS-PADSILK)		Order if you don't have a piece of nylon material. Order separately or find at local supply store.

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1002	Friction pad, wool, 6x6" (GS-PADWOOL)		Use any wool clothing. Order separatley or find at local supply store.
1002	Funnel, plastic, 65 mm dia. (CE-FUNNEL)	1	
1002	Glucose Test Strips, 50 pack (BE-GLUT50)	1	Use instead of Dextrostik.
1002	Graduated Cylinder, polypropylene, 10 ml (CE-CYPP10)	1	
1002	Hydrochloric Acid, 12M, 30 ml (UN1789)	1	
1002	Lab Apron No 3, plastic, 2 mil (CE-APRON3)	1	Always wear when using chemicals. Order extra if needed.
1002	Litmus Paper, blue, 100 strips (CH-LITBLUE)	1	
1002	Litmus Paper, red, 100 strips (CH-LITRED)	1	
1002	Phenolphthalein Solution, 30 ml (UN-PHENOLS)	1	
1002	Safety Gloves, size 8 - 8.5 Medium (CE-SGLOVEM)	1	Always wear when using chemicals. Order extra if needed.
1002	Starch, water soluble, 30 g (CH-STARCH)		Optional, Use corn starch. Order separatley or find at local supply store.
1002	Stirring Rod, glass, 6" (CE-STIRROD)	1	
1002	Test Tube Rack, 6 holes (CE-TTRACK1)	1	
1002	Test Tubes, extra large, 20 x 150 mm (CE-TTUBEXL)	2	Can also be used in place of 4 jars on p. 44 of 1002.
1002	Test Tubes, small 13 x 100 mm (CE-TTUBESM)	1	
1002	Thermometer, Celsius, 12" (ME-THER30B)	1	
1002, 1003, 1004	Methylene Blue, 1%, 30 ml (CH-METHBLU)	1	
1002, 1003	Yeast, packet (LM-YEAST)		Any yeast will work. Order separatley or find at local supply store.
1002, 1004	Beaker, glass, 250 ml (CE-BE10250)	1	Do experiments in series to get by with just one beaker. Use for liter measure in 1002.
1002, 1004	Iodine (Lugol's) Biological Stain Solution, 30 ml (CH-IODINE)	1	
1002, 1004	Lids, plastic, 9 oz (PT-LID9OZ)	3	Use 2 cups instead of buying extra beakers. Use one cup and lid to hold the osimeter thistle tube upright. (Eliminates the need for a ring stand and clamp.) Order 3 packages total if you will also use these instead of 6 quart jars.
1002, 1004	Ring Support, 4" (CE-RING4)		Optional. Only needed with ring stand. Order separatley
1002, 1004, 1005, 1007	Sand, coarse, 1 lb (GS-SANDCRS)	2	
1002, 1004	Support Stand, 4" x 6" base, 18" rod (CE-STAND2)		Optional. Not needed with stove burner and plastic cups with lids. Order separatley.
1002, 1009	String, heavy cord, 25' (MC-STRING)		Cotton cable cord, order separatley or find at local supply store.
1002-1004, 1007, 1008	Pipet (medicine dropper) (CE-DROPPER)	2	
1003	Amoeba proteus slide, w.m. (MS-AMOEBEA)	1	
1003	Euglena slide, w.m. (MS-EUGLENA)	1	

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1003	Fish Net, 4" (BE-FISHNET)		Optional. Useful to collect algae. Order separatley or find at local supply store.
1003	Methyl Cellulose, 1.5%, 30 ml (CH-METHCEL)		Optional, use instead of cotton ball to quiet protozoa. Order separatley.
1003	Nostoc (blue-green algae) slide, w.m (MS-NOSTOC)	1	
1003	Paramecium caudatum slide, w.m. (MS-PARACAD)	1	
1003	Protozoa Culture Kit (LM-PROTIST)	1	Carefully split into 4 jars after 4-5 days.
1003	Spirogyra (green algae) slide, w.m. (MS-SPIROC)	1	
1003, 1004, 1006, 1008	Lens Cleaner, 60 ml (MI-LENSCLN)		Optional, only needed if microscope is purchased. Recommended for extensive microscope use. Order separatley.
1003, 1004, 1006, 1008	Lens Cleaning Paper, 50 pack (MI-PAPER)		Optional, only needed if microscope is purchased. Recommended for extensive microscope use. Order separatley.
1003, 1004, 1006, 1008	Microscope Slide Set, Basic (MS-SLIDSET)	1	
1004	Burette Clamp (CE-CLAMP)		Optional. Only needed if you purchase a ring stand. Order separatley.
1004	Human blood slide, Wright's stain, smear (MS-HUBLOOD)	1	Includes erythrocyte (red blood cells) and leukocytes (white blood cells).
1004	Neuron slide, motor, smear (MS-NEURON)	1	
1004	Osmosis Set (BE-OSIMET)	1	
1004	Potassium Permanganate, 30 g (UN1490)	1	
1004, 1005	Pebbles, fine gravel, 1 lb. (GS-PEBBLE)		fine gravel/ pebbles, use in terrarium and instead of marbles. Order separatley or find at local supply store.
1004, 1006	Muscle slide, 3 types, section (MS-MUSC3)	1	
1004, 1008	Screen, 20 mesh, steel, 4x4" (GS-SCREEN)	1	
1005	Cup, clear plastic, 9 oz (PT-CUP9OZ)	4	Clear plastic cups
1005	Seeds, baby lima bean, pack (LM-SEEDBEA)	1	
1005	Seeds, grass, pack (LM-SEEDGRA)	1	
1005	Seeds, marigold, pack (LM-SEEDMAR)	1	
1005, 1007	Peat Moss (GS-PEATMOS)		Use any potting soil. Order separatley or find at local supply store.
1005, 1007	Seeds, radish, pack (LM-SEEDVEG)	1	
1005, 1008, 1009	Jar, 1 gallon, clear plastic (BE-JAR1GAL)		Any 1 gal jar will work. Order separatley or find at local supply store.
1005,1008	Terrarium (BE-TERRAR)		Optional. Order for a larger, more useful terrarium. Order separatley.
1006	Human bone slide, ground, c.s. (MS-HUBONE)	1	
1007	P.T.C. Test Paper, 100/vial (CH-PTCTEST)	1	
1007	Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRI1)	1	

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1008	Allium (onion) root tip slide, l.s. <i>(MS-ALLROOT)</i>	1	
1008	Ascaris (Roundworm) mitosis slide <i>(MS-ASCARIS)</i>	1	Use instead of fish blastodisc.
1008	Frog ovary slide, c.s. <i>(MS-FROVARY)</i>	1	
1008	Frog sperm slide, smear <i>(MS-FRSPERM)</i>	1	
1008	Planaria (brown) - Live Culture <i>(LD-PLANAR )</i>		Live planaria, order separatley.
1009	Nail assortment, 30 pieces <i>(GS-NAILS )</i>		Wooden stakes will work better if you have them. Order separatley or find at local supply store.
1009	Tape Measure, Steel, 3 meters <i>(ME-TAPEMEA)</i>		Optional. Any long measuring tool will work. Order separatley or find at local supply store.

1. The products in this kit are intended for parent/teacher use to complete curriculum lab activities with students.
2. Some items are not designed for or intended primarily for children ages 12 and under.
3. Some materials and many chemicals we provide are dangerous and may be harmful if misused. With your purchase, you are assuming all responsibility for any injuries or damages resulting from the storage, use, and disposal of all materials and chemicals.
4. Some products may differ from the web image (such as clay, food coloring, etc.)
5. Some items readily available at grocery stores or not offered by Home Science Tools are not included.
6. We guarantee that you will be happy with every purchase from HST. All products are covered by our 90-day money-back guarantee.

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