

KIT CONTENTS LIST FOR USE WITH: Monarch Science 10

Alpha Omega Publications

Home Science Tools is not affiliated with the above curriculum publisher.

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
	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 catalog or website for other microscope options.
	Lens Cleaner, 60 ml (MI-LENSCLN)		Recommended for extensive microscope use.
	Lens Cleaning Paper, 50 pack (MI-PAPER)		Recommended for extensive microscope use.
	Microscope Slide Set, Basic (MS-SLIDSET)	1	
2.4	Balloon Set of 9 (GS-BALLOON)	1	
2.4	Friction pad, silk, 6x6" (GS-PADSILK)	1	Use as a substitute for nylon.
2.4	Friction pad, wool, 6x6" (GS-PADWOOL)	1	
2.4, 9.9	String, heavy cord, 25' (MC-STRING)	1	
2.6	Thermometer, Celsius, 12" (ME-THER30B)	1	
2.6, 2.8, 2.15, 4.9, 6.4	Beaker, glass, 250 ml (CE-BE10250)	2	Use for liter measure in 2.6.
2.6, 7.11	Sand, coarse, 1 lb (GS-SANDCRS)	2	
2.8	Alcohol Lamp Burner, Wickless (CE-LAMP)		Optional to purchase separately from our website. Use a stove burner and small pan.
2.8	Alcohol Lamp Stand (CE-STAND1)		Optional to purchase separately from our website. Order only to use with an alcohol lamp in place of a ring stand.
2.8	Burette Clamp (CE-CLAMP)		Optional to order separately from our website. Use only with a ring stand.
2.8	Calcium Hydroxide, 30 g (CH-CA(OH)2)	1	
2.8	Chalk (calcium carbonate), Non-Toxic (CH-CHALK)	1	
2.8	Ethyl Alcohol, 95%, 30 ml (UN-ETHYALC)		Purchase separately from our website or your local supply store. For use with the alcohol lamp only.
2.8	Filter Paper, 11 cm, 10 pack (CE-FILTPAP)	1	
2.8	Funnel, plastic, 65 mm dia. (CE-FUNNEL)	1	Use with the filter paper.
2.8	Phenolphthalein Solution, 30 ml (UN-PHENOLS)	1	
2.8	Ring Support, 4" (CE-RING4)		Optional to purchase separately from our website. Only needed with ring stand.
2.8	Support Stand, 4" x 6" base, 18" rod (CE-STAND2)		Optional to purchase separately from our website. Use a stove burner and plastic cups with lids to complete experiments.
2.8, 2.20	Chemical Splash and Impact Safety Goggles, Adult (CE-GOGGLE1)	1	Always wear when using chemicals. Order extras if needed.

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
2.8, 2.20	Lab Apron No 3, plastic, 2 mil (CE-APRON3)	1	Always wear when using chemicals. Order extras from our website as needed.
2.8, 2.20, 8.10	Safety Gloves, size 8 - 8.5 Medium (CE-SGLOVEM)	1	Always wear chemically resistant gloves when using chemicals. Order additional sizes from our website as needed.
2.8, 2.20	Stirring Rod, glass, 6" (CE-STIRROD)	1	
2.9	Litmus Paper, blue, 100 strips (CH-LITBLUE)	1	
2.9	Litmus Paper, red, 100 strips (CH-LITRED)	1	
2.15, 2.20	Glucose Test Strips, 50 pack (BE-GLUT50)	1	Use instead of Dextrostik or Tes Tape.
2.15, 2.20, 3.5	Iodine (Lugol's) Biological Stain Solution, 30 ml (CH-IODINE)	1	
2.15, 3.14	Starch, water soluble, 30 g (CH-STARCH)	1	
2.20	Hydrochloric Acid, 12 Molar, 30 ml (UN1789)	1	
3.14, 4.4, 4.15, 4.18, 6.16, 8.10	Switched-on Schoolhouse Biology Slide Set (MS-SETSS10)	1	Contains the 10 prepared microscope slides needed to this course: Ascaris mitosis onion root tip l.s. frog ovary c.s. frog sperm w.m. human blood smear *Includes erythrocyte (red blood cells) and leukocytes (white blood cells)* kidney section muscle types section motor neuron smear Nostoc w.m. Spirogyra w.m.
3.3, 3.4, 3.5, 4.18, 4.23, 4.24, 4.12, 6.4	Pipet (medicine dropper) (CE-DROPPER)	2	
3.3, 3.4, 3.5, 4.18, 4.23, 4.24, 4.12, 6.4	Pipet, disposable, 1 ml (CE-PIPET-S)	1	
3.3, 8.10	Scissors, Dissecting (DE-SCISSOR)	1	
3.4, 4.18, 6.4	Methylene Blue, 1%, 30 ml (CH-METHBLU)	1	
3.5, 4.7, 4.23, 6.4	Forceps, stainless steel (DE-FORCEP)	1	
3.5, 4.7, 4.9, 4.24, 6.3, 6.4, 7.6	Razor Blade, single edge, 1 pack (CE-RAZOR)	1	
4.11, 7.11	Peat Moss, 60 cubic inches (GS-PEATMOS)		Use any potting soil from home or purchased from your local gardening store.
4.7	Planaria (brown) - Live Culture (LD-PLANAR)		Optional to purchase separately from our website. This live culture drop ships from our supplier direct to your home.
4.7, 4.9, 4.23, 4.24, 6.3, 6.4, 7.6	Magnifier, tripod, 10X (OP-TRIPMAG)	1	
4.7, 4.9, 4.23, 4.24, 6.3, 6.4, 7.6	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	Optional to purchase separately from our website. We recommend the tripod magnifier for these labs.
4.7,4.24	Teasing Needle, straight (DE-NEEDSTR)	1	
5.12	Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRI1)	1	
5.12, 7.6	Seeds, radish, pack (LM-SEEDVEG)	1	
6.7	Methyl Cellulose, 1.5%, 30 ml (CH-METHCEL)	1	Use instead of cotton ball to quiet protozoa.
6.7	Protozoa Culture Kit (LM-PROTIST)	1	Small clear vial. Use instead of locating pond water. Carefully split into 4 jars after 4-5 days.

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
6.7, 7.6	Cups & lids, 8 oz. plastic, 3 pack (GS-CUPLID)	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).
7.11	Pebbles, fine gravel, 1 lb. (GS-PEBBLE)		Optional to purchase separately from our website to use in terrarium. Or purchase from your local supply store.
7.11	Terrarium (BE-TERRAR)		Optional to purchase separately from our website. Order for a larger, more useful terrarium.
7.11, 9.7	Jar, 1 gallon, clear plastic (BE-JAR1GAL)		Purchase separately from your local supply store. Any 1 gallon jar or large jar will work to complete the experiments.
7.6		2	
	(CE-CUPSTYR)		
7.6	Seeds, baby lima bean, pack (LM-SEEDBEA)	1	
7.6	Seeds, grass, pack (LM-SEEDGRA)	1	
7.6	Seeds, marigold, pack (LM-SEEDMAR)	1	
8.10	Probe & Seeker (DE-PROBE)	1	
9.9	Nail assortment, 30 pieces (GS-NAILS)		Use any nail from home or purchased from your local supply store.
9.9	Tape Measure, Steel, 3 meters (ME-TAPEMEA)	1	Use instead of meter stick

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.

Home Science Tools
665 Carbon Street • Billings, MT 59102
Phone: 406-256-0990 • Fax: 406-256-0991
www.homesciencetools.com