



**KIT CONTENTS LIST FOR USE WITH: Monarch Science 4**

**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>
3.12	Home LED Microscope (MI-4100LST)		Only needed if you do the pond water study. 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. Order separately.
3.12	Lens Cleaner, 60 ml (MI-LENSCLN)		Recommended to keep your microscope lenses clean. Order separately.
3.12	Lens Cleaning Paper, 50 pack (MI-PAPER )		Recommended to keep your microscope lenses clean. Order separately.
3.12	Fish Net, 4" (BE-FISHNET)		Optional. Recommended if you will collect pond life specimens. Order separately or find at local supply store.
3.12	Kids Insect & Butterfly Net (BE-NETKIDS)		Optional. Purchase if you don't wish to make your own. Order separately.
3.12	Microscope Slide Set, Basic (MS-SLIDSET)		Only needed if you do the pond water study. Order separately.
3.12	Protozoa Culture Kit (LM-PROTIST)		Optional. An alternative to collecting pond water. Contains similar microscopic organisms. Order separately.
3.12	Sea Monkey Ocean Zoo (LM-SEAMONK)		Optional. A good alternative to the pond water study if you don't have a microscope. Order separately.
3.12, 3.16	Jar, 1 gallon, clear plastic (BE-JAR1GAL)		Optional. Use any wide-mouth 1 gal jar for the aquarium and terrarium. Order separately or find at local supply store.
3.12, 3.16	Large Critter Habitat/Aquarium (BE-AQUARIA)		Optional. Use instead of 1 gal jar for a more useful aquarium & terrarium. Order separately.
3.12, 3.16	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	
3.12, 5.3, 5.15	String, heavy cord, 25' (MC-STRING )	1	
3.16	Peat Moss, 60 cubic inches (GS-PEATMOS)	1	
3.16	Pebbles, fine gravel, 1 lb. (GS-PEBBLE)	1	Any clean gravel will work.
3.16	Sand, coarse, 1 lb (GS-SANDCRS)	1	
4.10, 6.5	Spring scale, 500 g/5 Newton (BS-SCALE2)	1	
4.15	Pulley, Single, 48mm (MC-PULLY1 )	2	
4.15	Weight, 500 g, with hook (BS-WTE500 )		Optional. Use instead of expensive 1 Kg weights or use books. Order separately.
4.7, 4.10	Wood Ramp, economy (MC-RAMP1 )		Use any board 2-3' long. Order separately or find at local supply store.
4.7, 5.13, 5.17	Nail assortment, 30 pieces (GS-NAILS )	1	
5.3	Balloon Set of 9 (GS-BALLOON)	1	
5.3	Friction pad, wool, 6x6" (GS-PADWOOL)	1	
5.3	Friction rod, rubber (GS-RODRUB )	1	

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5.6	Copper, metal electrode, 4" (EL-ELECTCU)	3	
5.6	Zinc, metal electrode, 4" (EL-ELECTZN)	3	
5.6, 5.15	Compass, magnetic, 1.5" (GS-COMPASS)	1	
5.6, 5.16, 5.17	Copper Wire, insulated, #24, 15' (EL-WIRE24H)	1	Also use for bell wire.
5.6, 5.16	Galvanometer, -500 to 500 uA (EL-GALVAN1)	1	
5.12	Cup, clear plastic, 9 oz (PT-CUP9OZ)	3	
5.12	Paper Clips, small size, box (GS-PCLIPSM)		paper clips, small size. Order separately or find at local supply store.
5.12	Rubber bands, 1.4 oz. bag (GS-RUBBAND)		rubber bands, 1.4 oz bag. Any rubber bands will work. Order separately or find at local supply store.
5.12, 5.13, 5.14, 5.15, 5.16	Bar Magnets, 1.2" ceramic, 2 pack (MG-BARTC )	1	
5.13, 5.14	Iron Metal Filings, 30 g (CH-IRON )	1	
5.15	Tape Measure, Steel, 3 meters (ME-TAPEMEA)		tape measure, use in place of a meter stick. Order separately or find at local supply store.
5.17	Battery, 6 volt (EL-BATT6 )	1	
5.17	Switch, knife type, SPST (EL-SWITCH2)	1	
6.3, 6.9	Cup, paper, 8 oz (PT-CUPPAP)		Paper cups, Find at local supply store or order separately.
7.13	Thermometer, aluminum back (ME-THERMME)	1	
7.4, 8.12	Paper, construction, 12 sheets (GS-PAPERCS)		construction paper 12 sheets. Order separately or find at local supply store.
8.3	Star and Planet Locator (AS-STARLOC)		Optional. A good tool to supplement the astronomy study. Order separately

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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