

**KIT CONTENTS LIST FOR USE WITH: Monarch Science 9**

**Alpha Omega Publications**

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<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
Several labs	Digital Scale, 2000 g x 0.1 g (BS-DB2000)		We recommend this digital scale as a faster, easier-to-use, and more economical alternative to a traditional mechanical balance. It will work for all labs in this curriculum. Order separately or find at local supply store.
1.3, 1.9, 1.10, 2.2, 11.9	Ruler, 30 cm (ME-RULER)		Ruler, 30 cm. Order separately or find at local supply store.
1.3, 1.9, 3.3, 7.12	String, heavy cord, 25' (MC-STRING)	1	
1.9, 2.2, 4.7	Wood block, 1.5 x 1.5 x 0.75" (GS-WOODMD)	1	
1.12	Pipet, disposable, 1 ml, 10 pack (CE-PIPET)	1	
1.12, 2.13, 11.2, 11.4	Cup, clear plastic, 9 oz (PT-CUP9OZ)	6	Can use as a substitute for multiple beakers in some labs.
1.12, 2.13	Magnesium Sulfate, 100 g (CH-EPSOM)	1	
1.12, 2.8, 4.2, 11.2	Graduated Cylinder, polypropylene, 100 ml (CE-CYPP100)	1	
2.13	Funnel, plastic, 65 mm dia. (CE-FUNNEL)	1	
2.13	Iron Metal Filings, 30 g (CH-IRON)	1	
2.13	Pebbles, fine gravel, 1 lb. (GS-PEBBLE)		Pebbles, fine gravel. Order separately or find at local supply store.
2.13	Sand, fine, 1 lb. (GS-SANDFIN)		Sand, fine 1lb. Use any fine sand. Order separately or fine at local supply store.
2.13, 3.3	Ring Support, 3" (CE-RING3)	1	
2.13, 3.3	Support Stand, 4" x 6" base, 18" rod (CE-STAND2)	1	
2.13, 3.3	Wire Gauze, ceramic center, 5" (CE-GAUZE)	1	
2.13, 3.6	Filter Paper, 11 cm, 10 pack (CE-FILTPAP)	1	
2.13, 9.10	Ring Magnet, 1.14" OD (MG-RINGLG)	1	
3.10	Calcium Chloride, 30 g (CH-CACL2)	1	
3.10	Candle, 4" white (OP-CANDLE)		Candle, 4" white. Use any small candle. Order separately or find at local supply store.
3.10	Hydrochloric Acid, 12 Molar, 30 ml (UN1789)	1	
3.10	Magnesium Ribbon, 60 cm (UN-MG)	1	
3.10	Watch Glass, 100 mm (CE-WATCHLG)		Can use small plate. Order separately or find at local supply store.
3.10, 8.4, 10.9	Test Tubes, large 16 x 150 mm (CE-TTUBELG)	2	
3.13, 3.6, 4.7, 8.7	Beaker, glass, 250 ml (CE-BE10250)	1	

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3.3	Thermometer Clamp (CE-CLTHERM)	1	
3.3, 4.7, 5.5, 8.4	Digital Stop Watch, 2" (ME-STOPWAT)		Optional, can use a phone. Order separately.
3.3, 8.4	Thermometer, Celsius, 12" (ME-THER30B)	1	
3.3, 8.4, 8.7	Alcohol Lamp Burner, Wickless (CE-LAMP)	1	Can use a pan on the stove as an alternative for some labs.
3.3, 8.4, 8.7	Denatured Alcohol Fuel, 16 ounces (UN-ALCFUEL)		Optional: Order only if you don't wish to purchase denatured alcohol locally to fuel the alcohol lamp.
3.3, 8.4, 8.7	Ethyl Alcohol, 95%, 30 ml (UN-ETHYALC)		Optional: Order only if you don't wish to purchase denatured alcohol locally to fuel the alcohol lamp.
4.2	Mineral Study Kit, 15 specimens (RM-MISTUDY)		We recommend purchasing this set as an easy way to obtain the mineral samples the lab requires. Order separately.
4.2	Overflow can (MC-OVERFLW)		Optional. Order separately
4.2	Scalpel, plastic handle, #22 (DE-SCALP22)	1	
4.2, 4.7, 5.11, 9.10, 11.4	Nail assortment, 30 pieces (GS-NAILS)		Nail assortment. Order separately or find at local supply store.
4.7, 9.3	Straw set, 15 pieces (GS-STRAWST)	1	
5.5	Wood Ramp, economy (MC-RAMP1)		Use any board. Find at local supply store.
5.5, 7.5, 8.7, 11.2	Tape Measure, Flexible, 150 cm (ME-TAPE1)	1	Also use instead of meterstick.
7.12	Spring scale, 100 g/1 N (BS-SCALE4)	1	
8.4	Dissecting Tray, Styrofoam, 8" X 10" (DE-TRAYS)	1	
8.4	Styrofoam Cup, 8 oz, each (PT-STYRCUP)	5	
8.7	Burette Clamp (CE-CLAMP)	1	Use to attach test tube to ring stand.
8.7	Wax pencil (marks glass) (BE-WAXPENC)		You can use a black crayon. Order separately or find at local supply store.
8.7, 11.2	Balloon Set of 9 (GS-BALLOON)	1	
8.7, 11.2	Rubber Stopper, #0, 1-hole (CE-STOP0XA)	1	
9.10	Compass, magnetic, 1.5" (GS-COMPASS)	1	
9.10, 10.4	Paper Clips, small size, box (GS-PCLIPSM)		paper clips, small size. Order separately or find at local supply store.
10.16	Deluxe Red Laser Pointer (OP-LASRED)		Deluxe Red Laser Pointer, order separately or find at local supply store.
10.16	Mirror, glass plane, 4"x 4" (OP-MIRROR3)	1	
10.16	Protractor, 6" semi-circle (ME-PROTRSM)	1	
10.4	Rubber bands, 1.4 oz. bag (GS-RUBBAND)		Rubber bands, 1.4oz bag. Order separately or find at local supply store.
10.9	Tuning Fork, C, 256 cps (MC-TF0256)	1	
11.2	Glass Tube, 5 mm, 3" long (CE-TUBEGLS)	1	
11.2	pH Papers, 1-14 range, 80 pack (CH-PHSTRIP)	1	
11.4	Sandpaper, 1 sheet medium grit (PT-SANDPAP)	1	

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.
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