

KIT CONTENTS LIST FOR USE WITH: **Alpha Omega Publications**  
**Switched-On & Monarch Science 12**

*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>
1-3	Digital Scale, 2000 g x 0.1 g (BS-DB2000)	0	BS-SCALE2 will allow you to do most of the labs without a balance. If you want a balance, however, we recommend this digital scale as a faster, easier-to-use, and more economical alternative to a traditional mechanical balance.
1-3	Spring scale, 500 g/5 Newton (BS-SCALE2)	1	
1.2	Razor Blade, single edge, 1 pack (CE-RAZOR)	0	Optional to purchase separately. Sharp scissors will work to complete the lab.
1.2	Slides, plain glass, 12 pack (MS-SLIDEPL)	1	
1.2, 2.14, 5.3, 5.4	Ruler, 30 cm (ME-RULER)	1	
1.3, 1.12, 2.10, 3.6, 4.2, 5.11	Meterstick, 100 cm (ME-METER2)	1	Meterstick not included for kits shipped outside of the US.
2.7	Glass Tube, 5 mm, 6" long (CE-TUBEG6)	1	
2.7	Paper Clips, small, 100/box (GS-PCLIPSM)	0	
2.7	Rubber Stopper, #6.5, 2-hole (CE-STOP06B)	2	
2.7, 3.6	String, heavy cord, 25' (MC-STRING)	1	
2.7, 4.2	Digital Stop Watch, 2" (ME-STOPWAT)	0	Use a cell phone timer or computer timer.
2.7, 4.7	Washers, 1", 5 pack (GS-WASHERS)	2	
2.10	C-clamp, 2" (GS-CLAMP)	2	
2.10	Dynamic carts, set of 2 (MC-DYNCART)	1	This set includes everything needed to do this lab. The carts weigh about 2 pounds each.
2.10, 3.6	Weight, 100 g, with hook (BS-WTE100)	0	Make weights using a spring scale, plastic bag and sand.
2.10, 3.6	Weight, 200 g, with hook (BS-WTE200)	0	Make weights using a spring scale, plastic bag and sand.
2.10, 3.6	Weight, 50 g, with hook (BS-WTE050)	0	Make weights using a spring scale, plastic bag and sand.
3.10	Styrofoam Cups, 8 oz, with lids 5 pack (CE-CUPSTYR)	0	Make a calorimeter using Styrofoam cups instead of buying an apparatus.
3.10	Thermometer, Celsius, 12" (ME-THER30B)	1	
4	Sound Measurement Kit (MC-SOUNKIT)	0	Optional to purchase separately. This is a good kit to study sound measurement.
4	Spring, helical, 6' (MC-SPRING1)	0	Optional to purchase separately.
4.2, 4.3	Slinky, metal, extra large (MC-SLINKY2)	1	
4.6, 4.7, 4.10	Glass Plate, 5" x 5" (CE-GLASS5)	1	Needed if you make your own ripple tank
4.6, 4.7, 4.10, 5.3, 5.7	Light, small beam penlight (OP-LIGHT3)	1	

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
4.6, 5.3, 5.4	Protractor, 6" semi-circle <i>(ME-PROTRSM)</i>	1	
5.11	Optical Slit Kit <i>(OP-OPTSLIT)</i>	1	This set contains everything needed to do this lab.
5.3	Ball, steel, 0.5", pair <i>(MC-BALLST1)</i>	1	
5.3	Mirror, glass plane, 4"x 4" <i>(OP-MIRROR3)</i>	2	
5.4	Refraction Box, semi-circle <i>(OP-REFRAC3)</i>	1	
5.7	Rubber Tubing, 4.8 mm, 2' long <i>(CE-TUBERU2)</i>	1	
6.3	Friction pad, silk, 6x6" <i>(GS-PADSILK)</i>	1	
6.3	Static Electricity Study Kit <i>(EL-STATKIT)</i>	1	
8.2	Bar Magnets, 3" Alnico I, 2 pack <i>(MG-BAR3AL)</i>	1	
8.2	Iron Metal Filings, 30 g <i>(CH-IRON)</i>	1	
8.6	Battery Holder for D Cell <i>(EL-BATTHLD)</i>	1	
8.6	Battery, D, heavy duty, 2 pack <i>(EL-BATTD2)</i>	1	
8.6	Bulb holder, 1-bulb <i>(EL-BULBHD1)</i>	1	
8.6	Bulb, screw style, 1.5-volt <i>(EL-LAMP1.5)</i>	1	
8.6	Compass, magnetic, 1.5" <i>(GS-COMPASS)</i>	1	
8.6	Copper Wire, insulated, #24, 15' <i>(EL-WIRE24H)</i>	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.
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**