

KIT CONTENTS LIST FOR USE WITH: LIFEPAC®

Grade 4 Science

Alpha Omega Publications

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<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
2, 3	Home LED Microscope (MI-4100LST)		Only needed if you do the pond water study or the bird feather examination. 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 separatley.
2, 3	Lens Cleaner, 60 ml (MI-LENSCLN)		optional, only needed if the microscope is purchased. Recommended to keep your microscope lenses clean.
2, 3	Lens Cleaning Paper, 50 pack (MI-PAPER)		optional, only needed if the microscope is purchased. Recommended to keep your microscope lenses clean.
2, 3	Jar, 1 gallon, clear plastic (BE-JAR1GAL)		Use any wide-mouth 1 gal jars for the aquarium and terrarium. Purchase separatley or find at local supply store.
2, 3	Large Critter Habitat/Aquarium (BE-AQUARIA)		Optional. Use instead of 1 gal jar for a more useful aquarium. Purchase separatley or find at local supply store.
3	Fish Net, 4" (BE-FISHNET)		Optional. Recommended if you will collect pond life specimens. Purchase separately or find at local supply store.
3	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	
3	Microscope Slide Set, Basic (MS-SLIDSET)		Only needed if you do the pond water study. Order separatley.
3	Protozoa Culture Kit (LM-PROTIST)		Optional. An alternative to collecting pond water. Contains similar microscopic organisms. Order separatley.
3	Sea Monkey Ocean Zoo (LM-SEAMONK)		Optional. A good alternative to the pond water study if you don't have a microscope. Order separatley.
3	Terrarium (BE-TERRAR)		Optional. Use instead of 1 gal jar for a more useful terrarium. Purchase separatley or find at local supply store.
3, 4, 5, 6	String, heavy cord, 25' (MC-STRING)	1	
4	Pulley, Single, 48mm (MC-PULLY1)	2	
4	Weight, 500 g, with hook (BS-WTE500)		Optional, use instead of expensive 1 Kg weights or use books. Purchase separatley.
4	Wood Ramp, economy (MC-RAMP1)		Use any board 2-3' long. Order separatley or find at local supply store.
4, 5	Ruler, 30 cm (ME-RULER)	1	Also use instead of meterstick.
4, 5, 6	Nail assortment, 30 pieces (GS-NAILS)	1	
4, 6	Spring scale, 500 g/5 Newton (BS-SCALE2)	1	
5	Bar Magnets, 1.2" ceramic, 2 pack (MG-BAR1C)	1	
5	Battery, 6 volt (EL-BATT6)	1	
5	Compass, magnetic, 1.5" (GS-COMPASS)	1	
5	Copper Wire, insulated, #24, 15' (EL-WIRE24H)	1	Also use for bell wire.
5	Copper, metal electrode, 4" (EL-ELECTCU)	3	

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5	Friction pad, wool, 6x6" (GS-PADWOOL)		Any wool cloth will work. Order separatley or find at local supply store.
5	Friction rod, rubber (GS-RODRUB)	1	
5	Galvanometer, -500 to 500 uA (EL-GALVAN1)	1	Or make a galvanometer by wrapping wire around a compass.
5	Iron Metal Filings, 30 g (CH-IRON)	1	
5	Rubber bands, 1.4 oz. bag (GS-RUBBAND)		use any rubberband. Order separatley or find at local supply store.
5	Switch, knife type, SPST (EL-SWITCH2)	1	
5	Zinc, metal electrode, 4" (EL-ELECTZN)	3	
5, 6		3	
	(CE-CUP9OZ)		
5, 6	Paper Clips, small, 100/box (GS-PCLIPSM)		Use any paper clips. Order separatley or find at local supply store.
5,9	Balloon Set of 9 (GS-BALLOON)	1	Also use for 3-5" ball in 409.
6	Cup, paper, 8 oz, 4 pack (GS-CUPPAP)		Cup, paper, 8 oz, 4 pack. Purchase separatley or find at local supply store.
6	Sand, coarse, 1 lb (GS-SANDCRS)		Use any sand. Order separatley or find at local supply store.
7	Thermometer, aluminum back (ME-THERMME)	1	
7, 8	Paper, construction, 12 sheets (GS-PAPERCS)		Paper, construction, 12 sheets. Order separatley or find at local supply store.
8	Star and Planet Locator (AS-STARLOC)		Optional. A good tool to supplement the astronomy study. Purchase separatley.

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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