



KIT CONTENTS LIST FOR USE WITH: LIFEPAC®

Grade 7 Science

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 website for other microscope options. |
| 2 | Graduated Cylinder, polypropylene, 100 ml (CE-CYPP100) | 1 | |
| 2 | Overflow can (MC-OVERFLW) | 1 | |
| 2 | Ruler, 30 cm (ME-RULER) | 1 | |
| 2 | Tape Measure, Steel, 3 meters (ME-TAPEMEA) | 1 | |
| 2, 3 | Clay, modeling, 4 oz. stick (GS-CLAY) | 1 | |
| 2, 3 | Nail assortment, 30 pieces (GS-NAILS) | 1 | |
| 2, 3 | Rubber bands, 1.4 oz. bag (GS-RUBBAND) | 1 | |
| 2,3 | Half-Meterstick, 50 cm, hardwood (ME-METER1) | | Optional to purchase separately. Use instead of books. Order with lens holder, candle holder, and bench supports. |
| 3 | Bar Magnets, 1.2" ceramic, 2 pack (MG-BAR1C) | 1 | |
| 3 | Brass Brads, 3/8", 100 pack (GS-BRADS) | 1 | |
| 3 | Candle, 4" white (OP-CANDLE) | 1 | |
| 3 | Compass, magnetic, 1.5" (GS-COMPASS) | 1 | |
| 3 | Lens, double convex, 300mm f/l (OP-LEN4X30) | 1 | |
| 3 | Lens, double convex, 500mm f/l (OP-LEN4X50) | 1 | |
| 3 | Mirror, concave, 200 mm f/l (OP-MIR4X20) | 1 | |
| 3 | Optic Bench Candle Holder (OP-CANDHLD) | | The clay included in the kit can be used as a candle holder. |
| 3 | Optic Bench Lens Holder, metal (OP-LENHLD) | | Optional to purchase separately from our website. The clay included can be used to hold the lenses. |
| 3 | Optic Bench Supports, pair (OP-SUPPORT) | | Optional to purchase separately from our website. The clay included can be used to hold the lenses. |
| 3 | Straw set, 15 pieces (GS-STRAWST) | 1 | |
| 3 | Styrofoam balls, 2" diameter, 2-pack (GS-STYBAL2) | 1 | |
| 3 | Thumbtacks, 100 pack (GS-TACKS) | | Purchase tacks from your local supply store. |
| 3 | Washers, 1", 5 pack (GS-WASHERS) | | Use any washer or other item for a weight to complete the experiment. |
| 3, 4 | Paper, construction, 12 sheets (GS-PAPERCS) | 1 | |

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| 3, 4 | Protractor, 6" semi-circle (ME-PROTRSM) | 1 | |
| 3, 4 | String, heavy cord, 25' (MC-STRING) | | Use any string or yarn to complete the experiment. |
| 3, 5 | Paper, special set, 10 sheets (GS-PAPERSP) | 1 | You need the tissue paper (3) & plastic sheet (5) to complete the experiment. |
| 3, 8 | Lens Cleaner, 60 ml (MI-LENSCLN) | | Recommended to keep your microscope lenses clean. |
| 3, 8 | Lens Cleaning Paper, 50 pack (MI-PAPER) | | Recommended to keep your microscope lenses clean. |
| 3, 8 | Light, small beam penlight (OP-LIGHT3) | | Optional to purchase separately from our website. Use any flashlight from home to complete the experiment. |
| 3, 8, 9 | Pipet (medicine dropper) (CE-DROPPER) | 1 | |
| 4 | Chalk (calcium carbonate) (CH-CHALK) | 1 | |
| 5, 6 | Thermometer, Celsius, 12" (ME-THER30B) | 2 | |
| 5, 9 | Digital Stop Watch, 2" (ME-STOPWAT) | | Use any watch with a second hand or cell phone to complete the experiment. |
| 6 | Sling Psychrometer (AS-PSYCHR) | 1 | Use to measure humidity. |
| 6, 10 | Aneroid Barometer (AS-BAROM3) | | Optional to purchase separately to enhance the experiment. However, you can look up your local barometer readings. |
| 6, 10 | Mini Weather Station (AS-STATION) | 1 | Use to measure wind speed, wind direction, temperature and rainfall. |
| 8 | Forceps, stainless steel (DE-FORCEP) | | Use any household tweezers to complete the experiment. |
| 8 | Iodine (Lugol's) Biological Stain Solution, 30 ml (CH-IODINE) | 1 | |
| 8 | Microscope slide coverslips (MS-SLIDCV) | 1 | |
| 8 | Mirror, glass plane, 4"x 4" (OP-MIRROR3) | | Use any hand mirror. |
| 8, 9 | Human blood slide, Wright's stain, smear (MS-HUBLOOD) | | Optional to purchase separately from our website as a cell study supplement. Requires microscope to use. |
| 8, 9 | Human bone slide, ground, c.s. (MS-HUBONE) | | Optional to purchase separately from our website as a cell study supplement. Requires microscope to use. |
| 8, 9 | Human muscle slide, striated, l.s. (MS-HUMUSC) | | Optional to purchase separately from our website as a cell study supplement. Requires microscope to use. |
| 8, 9 | Human skin slide, white, section (MS-HUSKIN) | | Optional to purchase separately from our website as a cell study supplement. Requires microscope to use. |
| 8, 9 | Neuron slide, motor, smear (MS-NEURON) | | Optional to purchase separately from our website as a cell study supplement. Requires microscope to use. |
| 8, 9 | Slides, plain glass, 12 pack (MS-SLIDEPL) | 1 | |
| 9 | Lung Volume Kit (BE-LUNGKIT) | | Optional to purchase separately. A good supplemental tool to learn about lung capacity. |

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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