



**KIT CONTENTS LIST FOR USE WITH: Exploring the Building Blocks of Science  
Book 7 Laboratory Notebook  
Gravitas Publications, Inc.**

*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>
	Exploring the Building Blocks of Science Book 7 Laboratory Notebook <i>(RS-BB7LAB)</i>		Purchase separately. Kit is designed for use with the Laboratory Notebook.
	Exploring the Building Blocks of Science Book 7 Student Text <i>(RS-BB7TEXT)</i>		Purchase separately.
	Exploring the Building Blocks of Science Book 7 Teacher's Manual <i>(RS-BB7TEAC)</i>		Purchase separately.
Curriculum Set	Exploring the Building Blocks of Science Book 7 Set <i>(RS-BB7SET)</i>		Purchase this curriculum set separately.
8 only	Home 1000X LED Microscope <i>(MI-4100LXL)</i>		The course recommends a 1000x microscope to complete the lab. See our website for additional options.
8 only	Microscope Immersion Oil <i>(MI-IMMOIL)</i>		Purchase for use with a 1000x microscope.
2	Ammonium Hydroxide, 30 ml <i>(UN2672)</i>		Purchase separately from Home Science Tools or local grocery store.
2	Black pen <i>(PT-PENBLK)</i>		Use any black pen to complete experiment.
2	Glacial Acetic Acid, 30 ml <i>(UN2789)</i>		Purchase separately from Home Science Tools or local grocery store.
2	Green pen <i>(PT-PENGRE)</i>	1	
2	Isopropyl Alcohol, 90%, 30 ml <i>(UN-ISOPALC)</i>		Purchase separately from Home Science Tools or local grocery store.
2	Vegetable Oil, 6 oz. (sold only in kits) <i>(CH-VEGEOIL)</i>		Purchase separately from Home Science Tools or local grocery store.
2, 11	Ruler, 30 cm <i>(ME-RULER)</i>		
2, 3, 4, 5, 7, 14	Marker, black, permanent <i>(BE-MARKBLK)</i>		Use any marker to complete experiments.
2, 3, 5, 14	Measuring Cups, Set of 5 <i>(CE-MECUP)</i>		Use any household measuring cups to complete experiments.
2, 3, 5, 14	Measuring Spoons, Set of 6 <i>(CE-MESPOON)</i>		Use any household measuring spoons to complete experiments.
2, 3, 8	Pipet (medicine dropper) <i>(CE-DROPPER)</i>	1	
2, 4, 5, 7, 8, 9	Cup, clear plastic, 9 oz, 3 pack <i>(CE-BEAKCUP)</i>	10	Use these disposable cups in place of glass jars or cups.
2, 5	Dishwashing Liquid Detergent, 15 ml <i>(CH-DISHDET)</i>		Purchase separately from Home Science Tools or local grocery store.
2, 5	Filter Paper, 11 cm, 10 pack <i>(CE-FILTPAP)</i>	1	
2, 7, 9, 11, 13, 14	Scissors, round tip <i>(GS-SCISSORS)</i>	1	
2, 8	Food Coloring, 4 colors <i>(CH-FOODCOL)</i>	1	You can mix the primary colors to make additional colors.
3	Laundry starch, concentrated, 30 ml <i>(CH-LSTARCH)</i>	1	

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3	Paper, blotter, one 12"x18" sheet (PT-BLOTPAP)	1	
3, 5	Iodine (Lugol's) Biological Stain Solution, 30 ml (CH-IODINE)	1	
4	Beaker, glass, 600 ml (CE-BE10600)		Use the glass jar in place of a the beaker.
4	Chemical Splash Safety Goggles, Adult (CE-GOGGLE1)	1	
4	Clear Glue, 5 oz (PT-CLRGLUE)	1	
4	Gloves, Nitrile, Size Medium, Pair (GS-GLOVNT)	1	
4	Graduated Cylinder, polypropylene, 10 ml (CE-CYPP10)	1	
4	Lab Apron No 3, plastic, 2 mil (CE-APRON3)	1	
4	Laundry starch, concentrated, 125 ml (4oz) (CH-LSTA125)	1	
4	Nylon Synthesis and Rope Trick Kit (KT-ISNYLON)	1	
4	School Glue, 4oz (PT-SCHGLUE)	1	
4	Stirring Rod, glass, 6" (CE-STIRROD)	1	
4, 11	Glass Jar, 16 oz size (GS-JAR16OZ)	1	Use a nail and hammer to put a hole in the lid to complete the lab.
4, 5	Wooden splints, 5 pack (CE-SPLINTS5)	1	
5	Sodium Chloride, 30 g (CH-NACL)		Purchase separately from Home Science Tools or local grocery store. Household table salt will work to complete the experiments.
5	Test Tubes, large 16 x 150 mm (CE-TTUBELG)		Optional to purchase separately.
5, 14	Digital Stop Watch, 2" (ME-STOPWAT)		Use a watch with a second hand or a timer app on a cell phone.
6	Seeds, corn, pack (LM-SEEDCOR)	1	
6, 15	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	
6, 15, 17	Science Notebook (GS-SCINTBK)	1	
6, 7	Seeds, baby lima bean, pack (LM-SEEDBEA)	1	
6, 7, 14	Styrofoam Cups, 12 oz, 4 pack (CE-CUPSTY12)	2	
6, 7, 9, 14	Peat Moss (GS-PEATMOS)	3	
6, 9, 13, 15	Colored Pencils (BE-CPENCIL)		Use any pencils or crayons to complete experiments.
7	Card stock, 110#, 8-1/2" x 11", white (PT-CARDSTK)		Use any cardstock paper to complete experiment.
8	Microscope Slide Set, Basic (MS-SLIDSET)	1	
8, 9	Toothpicks, pack (GS-TOOTHPI)	1	
8, 9, 14	Scalpel, plastic handle, #11 (DE-SCALP11)	1	
10	Battery, 9-volt, alkaline (EL-BALK-9V)	1	
10	Copper piece (EL-CUDISC)		Purchase separately from Home Science Tools if you don't have access to pennies made prior to 1982. Experiment uses 15 pennies.

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10	Digital Multimeter <i>(EL-DIGMULT)</i>	1	
10	Steel Wool <i>(GS-STLWOOL)</i>	1	
10, 11	Aluminum foil sheet, 9 x 10 <i>(PT-FOIL)</i>		Purchase separately from Home Science Tools or local grocery store.
10, 13	Copper Wire, insulated, #24, 15' <i>(EL-WIRE24H)</i>	1	
11	Friction pad, silk, 6x6" <i>(GS-PADSILK)</i>	1	
11	Friction pad, wool, 6x6" <i>(GS-PADWOOL)</i>	1	
11	Friction rod, rubber <i>(GS-RODRUB)</i>	1	
11	Straws, flexible plastic <i>(PT-STRAWFL)</i>	4	
11, 13	Paper Clips, small, 100/box <i>(GS-PCLIPSM)</i>	1	
12	Battery Holder for D Cell <i>(EL-BATTHLD)</i>	2	
12	Battery, D, heavy duty, 2 pack <i>(EL-BATTD2)</i>	1	
12	Bulb Socket, 1-bulb <i>(EL-LAMPSOC)</i>	2	
12	Bulb, screw style, 3.7-volt <i>(EL-LAMP3.7)</i>	2	
12	Propeller, plastic <i>(EL-PROPELL)</i>	1	
12	Resistor, 4.7 ohm, 1/2 watt <i>(EL-RES005R)</i>	2	
12	Small DC Motor, 0.5-6 volt <i>(EL-MOTOR)</i>	1	
12	Switch, knife type, SPST <i>(EL-SWITCH2)</i>	1	
12, 13	Alligator Clip Leads, 2 pack <i>(EL-ALCLIP2)</i>	2	
13	4x6 ziplock bags, 2 mil <i>(PK-ZIP4X6)</i>	1	
13	Battery, 6 volt <i>(EL-BATT6)</i>	1	
13	Bottle, Barnes dropper, 30 ml <i>(CE-BTBAR30)</i>		Use the Barnes bottle dropper if you do not have a plastic container.
13	Glucose Syrup, 15 ml <i>(CH-GLUCOSE)</i>		Purchase separately from Home Science Tools or local grocery store.
13	Iron Metal Filings, 30 g <i>(CH-IRON)</i>	1	
13	Nail, 16D, bright box <i>(PT-NAIL16C)</i>	1	
13, 16	Bar Magnets, 1.2" ceramic, 2 pack <i>(MG-BAR1C)</i>	1	
14	Cheesecloth, bleached <i>(GS-CHCLOTH)</i>		
14	Clay, pottery, 1.5 lb piece <i>(GS-CLAYPOT)</i>	1	
14	Cup, clear plastic, 16 oz, 4/pack <i>(GS-CUP16OZ)</i>	1	
14	Graduated Cylinder, polypropylene, 100 ml <i>(CE-CYPP100)</i>	1	
14	Pebbles, fine gravel, 1 lb. <i>(GS-PEBBLE)</i>	1	Reuse the gravel rather than discarding it for each part of the lab.
14	Sand, coarse, 1 lb <i>(GS-SANDCRS)</i>	2	
15	Binoculars, 8 x 21 compact <i>(OP-BI8X21K)</i>		Purchase separately to enhance the experiment.

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15	Bird Feeder <i>(BE-BIRFEED)</i>		Purchase separately to enhance to experiment.
15	Bird Seed, 1 lb <i>(BE-BIRSD1)</i>		Purchase separately if you have a bird feeder. Not available from Home Science Tools.
15	Birds Golden Guide <i>(BK-GBIRDSP)</i>		Purchase separately if you don't have access to a bird guide at your local library or online resource.
16	Compass, magnetic, 1.5" <i>(GS-COMPASS)</i>	1	
16	Cork, No. 9 <i>(CE-CORK09)</i>	1	
16	Insect Pins, size 2, student <i>(BE-INSP02E)</i>		

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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