



**KIT CONTENTS LIST FOR USE WITH: Focus On Middle School Science Set
Laboratory Notebook 3rd Edition
Real Science-4-Kids**

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>
	Focus On Middle School Science Set (RS-REALSET)		Purchase the Middle School Chemistry, Physics and Biology complete curriculum set separately. See our website for more options.
Several	Cup, clear plastic, 9 oz, 3 pack (CE-BEAKCUP)	4	12 cups are includes to be used as alternatives to glasses and beakers. Additional plastic cups may be necessary.
Several	Dissection Pins, 6 pack (DE-PINS)		
Several	Gloves, Nitrile, Size Medium, Pair (GS-GLOVNIT)	4	
Several	Marker, black, permanent (BE-MARKBLK)		Any household marker will work.
Several	Measuring Cups, Set of 5 (CE-MECUP)		Household measuring cups will work.
Several	Measuring Spoons, Set of 6 (CE-MESPOON)		Household measuring spoons will work.
Several	Pipet (medicine dropper) (CE-DROPPER)	1	
Several	Ruler, 30 cm (ME-RULER)	1	
Several	Safety Gloves, size 7 - 7.5 Small (CE-SGLOVE)		Purchase these reusable gloves separately for additional labs.
Several	Toothpicks, pack (GS-TOOTHPI)		Purchase toothpicks from your local supply store.
Biol 2	Alcohol Lamp Burner, Wickless (CE-LAMP)		Optional and requires purchase of UN-ALCFUEL. Use a candle or gas stove flame as an alternate.
Biol 2	Denatured Alcohol Fuel, 16 ounces (UN-ALCFUEL)		Optional to purchase separately from our website for use of with alcohol lamp.
Biol 2	Inoculating Needle with Looped End (BE-INOCUL)		Purchase separately from our website. Necessary for Lab 2.
Biol 2, 7, 11, 13	Home 1000X LED Microscope (MI-4100LXL)		For the best experience, consider MI-4100LXL (which comes with a 100x oil immersion objective) or MI-4100LST.
Biol 3	Microscope slide coverslips (MS-SLIDCV)	1	
Biol 3	Microscope Slides, plain glass, 72 pack (MS-SLIDP72)	1	
Biol 3, 11, 13	Microscope Immersion Oil (MI-IMMOIL)		Optional if using a 100 x oil immersion objective.
Biol 5, 9, 11, 12, 15	Colored Pencils (BE-CPENCIL)		Any household colored pencils will work.
Biol 6	Swab applicator, sterile, 2 pack (PT-SWABS)	4	
Biol 6,8	Agar, nutrient, 8 g, dehydrated (CH-AGARN08)	2	
Biol 6,8	Petri Dishes, polystyrene, 90 x 15 mm, 20 pack (BE-PETRI20)	2	
Biol 7	Basic Protozoa Set - Live Culture (LD-PROBASC)		Purchase separately from our website. Necessary for Lab 7.
Biol 7	Eosin Y, 1%, 30 ml (CH-EOSIN)		Purchase separately from our website. Necessary for Lab 7.

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Biol 7	Methyl Cellulose, 1.5%, 30 ml (CH-METHCEL)		Purchase separately from our website. Necessary for Lab 7.
Biol 7	Pipet, disposable, 1 ml, 10 pack (CE-PIPET)		Purchase separately from our website. Necessary for Lab 7.
Biol 7	Slides, concavity, 12 pack (MS-SLIDC12)	1	Necessary for Lab 7. In addition to other items.
Biol 7	Yeast, packet (LM-YEAST)		Purchase separately from our website. Necessary for Lab 7.
Biol 9	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	
Biol 9	Nature Backpack (SP-BACKPAK)		Any backpack would work.
Biol 9	Seeds, corn, pack (LM-SEEDCOR)	1	
Biol 9, 12, 15, 16	Nature Notebook (BE-NOTEBK)		Any notebooks or paper would work.
Biol 9,10	Seeds, baby lima bean, pack (LM-SEEDBEA)	1	
Chem 2	Glass Tube, 5 mm, 6" long (CE-TUBEG6)		Purchase separately from our website.
Chem 2,11	Graduated Cylinder, glass, 10 ml (CE-CYGL10)	1	
Chem 2,9,12	Isopropyl Alcohol, 90%, 30 ml (UN-ISOPALC)		Optional to purchase separately from our website or from you local grocery store or pharmacy.
Chem 4,9	Food Coloring, 4 colors (CH-FOODCOL)		Use any household food coloring.
Chem 6,7	Red Cabbage Indicator Jiffy Juice Kit (KT-JIFFYJU)		Optional to purchase separately from our website. Alternate to making your own red cabbage juice indicator.
Chem 6,8,9,12	Filter Paper, 11 cm, 10 pack (CE-FILTPAP)	1	
Chem 7	Glass Jar, 16 oz size (GS-JAR16OZ)		Many jars household will work.
Chem 8	Laundry starch, concentrated, 30 ml (CH-LSTARCH)		Use borax and corn starch instead.
Chem 8,12; Biol 4,13	Iodine (Lugol's) Biological Stain Solution, 30 ml (CH-IODINE)	1	
Chem 9	Citrus Dish Degreaser, 15ml (CH-CITRCLN)		Any household dish soaps will work.
Phys 1	Ball, hard rubber, 1-3/4" (GS-BALLHRB)	1	
Phys 1	Tennis ball (GS-BALLTNS)	1	
Phys 1, 6	Marbles, pack of 15 (GS-MARBLSM)	1	
Phys 1, 8	String, heavy cord, 25' (MC-STRING)	1	
Phys 1,3,10,12	Paper Clips, small, 100/box (GS-PCLIPSM)		Purchase paperclips from your local supply store.
Phys 2	Snap Circuits Jr. 100 Electronics Discovery Kit (KT-SNAP100)		Optional to purchase separately from our website for additional electronics activity.
Phys 3	Slinky, metal, extra large (MC-SLINKY2)	1	
Phys 3,4	Tape Measure, Flexible, 150 cm (ME-TAPE1)	1	
Phys 3,4,6	Platform scale, 450 g capacity (BS-SCALEDT)		Purchase separately from our website or see other purchasing options.
Phys 4	Toy car (MC-TOYCAR)		Any small toy car will work. Purchase from your local supply store.
Phys 6	Ball, steel, 0.5" (MC-BALLS2S)	1	
Phys 6	Ball, steel, 1", each (MC-BALLSTL)	1	

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Phys 6	Digital Stop Watch, 2" (ME-STOPWAT)		Use any watch, timer, or cell phone.
Phys 7	Compass, magnetic, 1.5" (GS-COMPASS)	1	
Phys 9	Battery, 9-volt, alkaline (EL-BALK-9V)		Purchase separately from our website.
Phys 9	Digital Multimeter (EL-DIGMULT)		Optional to purchase separately from our website. Needed to measure voltage but can be excluded.
Phys 9	Steel Wool (GS-STLWOOL)	1	
Biol 13	Methylene Blue, 1%, 30 ml (CH-METHBLU)		Substitute iodine.
Biol 14A	Clam Dissection Guide (DE-GDCLAM)		Purchase separately from our website. Necessary for clam dissection in Lab 14A.
Biol 14A	Clam Specimen, Freshwater, 4"-5", Plain (PM-CLAM)		Purchase separately from our website. Necessary for clam dissection in Lab 14A.
Biol 14A	Crayfish Dissection Guide (DE-GDCRAW)		Purchase separately from our website. Necessary for crayfish dissection in Lab 14A.
Biol 14A	Crayfish Specimen, 4"-6", Plain (PM-CRAYFSH)		Purchase separately from our website. Necessary for crayfish dissection in Lab 14A.
Biol 14A	Earthworm Dissection Guide (DE-GDWORM)		Purchase separately from our website. Necessary for worm dissection in Lab 14A.
Biol 14A	Earthworm Specimen, 9-12", Plain (PM-WORM)		Purchase separately from our website. Necessary for worm dissection in Lab 14A.
Biol 14A	Starfish Dissection Guide (DE-GDSTAR)		Purchase separately from our website. Necessary for starfish dissection in Lab 14A.
Biol 14A	Starfish Specimen, Plain (PM-STARFSH)		Purchase separately from our website. Necessary for starfish dissection in Lab 14A.
Biol 14A, 15A, 16A	Basic Dissecting Tools Set (DE-SETBAS)		
Biol 14A, 15A, 16A	Dissecting Tray, Styrofoam (DE-TRAYS)		If disposing of trays, order more for additional dissections.
Biol 14B	Choice Chamber (BE-CHAMBER)		
Biol 15A	Dogfish Shark Specimen, 18"-22", Double Injected (PM-DOGFISH)		Purchase separately from our website. Necessary for shark dissection in Lab 15A.
Biol 15A	Frog Dissection Guide (DE-GDFROG)		Purchase separately from our website. Necessary for frog dissection in Lab 15A.
Biol 15A	Frog Specimen, Grass, 3.5"-4", Plain (PM-FROG4P)		Purchase separately from our website. Necessary for frog dissection in Lab 15A.
Biol 15A	Perch Dissection Guide (DE-GDPERCH)		Purchase separately from our website. Necessary for perch dissection in Lab 15A.
Biol 15A	Perch Specimen, Medium 7"-9", Plain (PM-PERCH9P)		Purchase separately from our website. Necessary for perch dissection in Lab 15A.
Biol 15A	Shark Dissection Guide, basic (DE-GDSHRK2)		Purchase separately from our website. Necessary for shark dissection in Lab 15A.
Biol 15B	Binoculars, 8 x 21 compact (OP-BI8X21K)		Purchase separately from our website. Optional lab.
Biol 16A	Fetal Pig Dissection Guide, basic (DE-GDPIGSP)		Purchase separately from our website. Necessary for pig dissection in Lab 16A.
Biol 16A	Fetal Pig Specimen, 7"-10", Double Injected (PM-PIG2)		Purchase separately from our website. Necessary for pig dissection in Lab 16A.
Chem 11	Beaker, glass, 100 ml (CE-BEI0100)	1	
Chem 11	Clear Glue, 5 oz (PT-CLRGLUE)	1	
Chem 11	Cornstarch, food grade, 1 lb or 450 g (CH-CORNSTC)	1	
Chem 11	Lab Apron No 3, plastic, 2 mil (CE-APRON3)	1	

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Chem 11	Nylon Synthesis and Rope Trick Kit (KT-ISNYLON)		Purchase separately for "Just for Fun" experiment in Chemistry Lab 11.
Chem 11	School Glue, 4oz (PT-SCHGLUE)	1	
Chem 11	Stirring Rod, glass, 10" (CE-STIR10)	1	
Chem 11	Tongue Depressors, 10 pack (GS-TONGDEP)	1	
Chem 11,13	Chemical Splash Safety Goggles, Adult (CE-GOGGLE1)	1	
Chem 11; Biol 8	Sodium Tetraborate, 30 g (CH-NA2B4O7)	1	
Chem 12	Test Tubes, extra large, 20 x 150 mm (CE-TTUBEXL)	1	
Chem 12	Wooden Splints, 20 pack (CE-SPLINTS)		Purchase separately from our website. Q-tips will work.
Phys 10	Balloons, medium, 9" (GS-BALLOMD)	2	
Phys 10	Straws, flexible plastic (PT-STRAWFL)	8	
Phys 11, 12	Electricity Science Kit (EL-KITBASC)	1	Kit contains: 2x Battery holder, for D-size Battery, D-size, 2/pack (brand may vary) Switch, knife type, SPST 2x Alligator clip wires, 2/pack 2x Bulb holder 2x Bulb, screw base, 3.7-volt 2x Resistors, ¼ watt, 4.7 ohm Diode, 1 amp (blocking) Motor, DC, 0.5-6 volt Propeller, plastic
Phys 12	Bar Magnets, 1.2" ceramic, 2 pack (MG-BARTC)	1	
Phys 12	Battery, 6 volt (EL-BATT6)	1	
Phys 12	Copper Wire, insulated, #24, 15' (EL-WIRE24H)	1	
Phys 12	Iron Metal Filings, 30 g (CH-IRON)	1	
Phys 12	Nail, 16D, bright box (PT-NAIL16C)	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.

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