HOME SCIENCE TOOLS.
inspired learning

KIT CONTENTS LIST FOR USE WITH: **abeka®**

Understanding God's World (Grade 4)
4th Edition

Home Science Tools is not affiliated with the above curriculum publisher.

Text Reference	Item Description	Item Quantity	Notes
1.1, 2.2	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	
1.1, 2.2, 8.1	Jar, 120ml, polypropylene (PT-JARP120)	1	
1.1, 2.2, 8.1	Lid, fits 1 gal jar, linerless (PT-CAP1GAL)	1	Use this lid in 1.1 for insect collecting.
1.2	Peat Moss (GS-PEATMOS)	1	
1.2	Seeds, marigold, pack (LM-SEEDMAR)	1	
1.2, 3.5, 3.7	Seeds, baby lima bean, pack (LM-SEEDBEA)	1	
1.2, 3.7	10x18 poly bags, 1.5 mil (PK-BA10X18)	0	Not required to complete labs. Use any clear plastic storage bag, if needed.
1.2, 3.7	Seeds, radish, pack (LM-SEEDVEG)	1	
1.2, 7.3	Styrofoam Cup, 8 oz, each (PT-STYRCUP)	5	
2.2	Cheesecloth, bleached (GS-CHCLOTH)	1	Use as a screen for this experiment.
2.2	Day 'N' Night Ant Factory (LM-ANTFACT)	0	Optional to purchase separately. This ant farm kit is a great way to study the social interaction and cooperation of the industrious ant.
2.2	Insects Golden Guide (BK-GINSECT)	0	Optional to purchase separately. Any of the Golden Guide® books we offer on insects, birds, trees, flowers, sky, weather, and rocks will aid in your study of these subjects. See website for full listing of field guide books for insects.
2.2	Kids Insect & Butterfly Net (BE-NETKIDS)	0	Optional to purchase separately. This net is very helpful for collecting insects for observation. See our website for full listing of insect collection and tools.
2.2	Newsprint, 9"X12" (sold only in kits) (PT-PAPNEWS)	0	Not required to complete lab. Use any newspaper or sheet.
2.2, 2.3	Insect Lore Butterfly Garden, 11.5" (LM-BFLYGAR)	0	Optional to purchase separately. This is a great way to study insect metamorphosis.
2.2, 8.1	Jar, 1 gallon, clear plastic (BE-JAR1GAL)	1	
3.7	Seeds, corn, pack (LM-SEEDCOR)	1	
3.7, 5.3, 5.10	Cup, clear plastic, 9 oz (PT-CUP9OZ)	3	
4.5	Candle, 4" white (OP-CANDLE)	1	Use the matches to light the candle. This candle can be used for both the wax drippings and the heat transfer.
4.5	Matches, pack of 32 (GS-MATCHES)	1	

Text Reference	Item Description	Item Quantity	Notes
4.5, 5.5	Modeling Dough (Play Dough) *(GS-PLAYDO)*	1	Use clay in 5.5 to hold dowel to water wheel, if needed.
4.5, 8.4	Nail, 16D, bright box *(PT-NAIL16C)*	1	Use the larger nail for Activities 4.5 and 8.4
4.5, 8.7	Clothespin *(PT-CLTHPIN)*	1	
5.1, 5.3, 5.6, 5.7, 5.8, 5.13	Weather Experiment Kit *(KT-WESTUDY)*	0	Optional to purchase separately. Use this complete weather study kit to enhance your first-hand observations of weather for chapter 5. See our website for full listing.
5.3	Citrus Dish Degreaser, 15ml *(CH-CITRCLN)*	1	
5.3	Pipet (medicine dropper) *(CE-DROPPER)*	1	Degreaser is in a dropper style bottle. No dropper necessary.
5.3	Pure cane sugar, single-serve packet *(GS-SUGPAK)*	12	
5.3	Screen, 20 mesh, steel, 4x4" *(GS-SCREEN)*	1	Use this mesh screen in place of window screen for 5.3.
5.3, 5.5, 5.9, 7.3	Aluminum Pie Plate, 9" diameter *(PT-PIEPAN9)*	3	Use the pie pan as the dish in 5.3 for floating the screen and in all experiments that require a shallow dish.
5.3, 7.3	Cork, No. 14 *(CE-CORK14)*	1	
5.5, 5.7, 7.4	Dowel, 3/8", 16" long (sold only in kits) *(GS-DOWL375)*	2	Tape these 2 dowels together end-to-end to form a long stick for 5.7 and use one dowel in place of a pencil in other activities.
5.7	Masking Tape, 0.94" X 40 yds *(GS-MASKTP)*	0	Use any household tape or purchase from your local hardware store.
5.7	Meterstick, 100 cm *(ME-METER2)*	0	Use the long dowel in place of the meterstick in 5.7. Optional to purchase separately, if desired.
5.7, 6.1, 6.3, 7.1, 7.4, 8.1, 8.5	String, heavy cord, 25' *(MC-STRING)*	1	
5.7, 6.3, 6.4, 8.7	Balloon Set of 9 *(GS-BALLOON)*	1	
5.8	Ball, ping-pong *(PT-BALLPP)*	1	
5.8	Straws, flexible plastic *(PT-STRAWFL)*	1	
6.3	Can, tin, small *(PT-CANSMAL)*	2	
6.3, 6.4	Rubber band, size 16 *(PT-RUBBA16)*	2	
6.3, 7.2, 9.3, 9.4	LED Flashlight, 25 Lumens *(OP-LIGHT4)*	1	
6.4	Funnel, plastic, 100 mm dia. *(CE-FUNN8OZ)*	1	
6.5	Slinky, metal, extra large *(MC-SLINKY2)*	1	
7.1	Ruler, 30 cm *(ME-RULER)*	0	Purchase separately if you do not already own one.
7.2	Inflatable Novelty Globe, 12" *(AS-INGLOBE)*	0	Use any ball with a diameter approximately 12".
7.3	Bar Magnets, 3" Alnico I, 2 pack *(MG-BAR3AL)*	1	
7.3	Nail, 6D, bright finish *(PT-NAIL6F)*	1	Use this small nail instead of a need to magentize in 7.3.
7.4	Alum, 100 g *(CH-ALUM)*	1	

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7.4, 8.1	Food Coloring, 4 colors (CH-FOODCOL)	1	1 color included.
7.4, 8.5	Beaker, glass, 250 ml (CE-BEI0250)	1	
7.4, 8.5	Sodium Chloride, 30 g (CH-NACL)	5	Purchase table salt from your local grocery store for 7.4
7.6	Rock Study Kit, 15 specimens (RM-RKSTUDY)	0	Optional to purchase separately. This collection contains most of the rocks discussed and is a great tool for hands-on learning. See our website for more rock collections and guide books.
8.5	Crayon, assorted color (GS-CRAYON)	1	1 color crayon included.
9.1-9.6	Star and Planet Locator (AS-STARLOC)	0	Optional to purchase separately. Use this star and planet locator to aid your astronomy studies in chapter 9.
9.3	Construction paper, black (PT-PAPCSBK)	3	
9.3	Construction paper, white (PT-PAPCSWH)	2	

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.