



"Enjoying God's World of Nature"

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## Science in the Ancient World

Alphabetical listing of items in the kit, quantity, location of item within the kit, and in which lesson items are used.

Item #	Item Name	Qty	Bag #	Used in Lesson #
40236-1	Aluminum Foil, 1 ft	1	6	85
45055	Ammonia, Household, 50 ml	2	4	32
40821-1	Antacid, 6 pk	1	2	44
40262-1tbsp	Baking Soda, 1 tbsp	1	2	17, 44
40229-ba	Batteries, D-cell, 2 pk	1	5	23
40331-10	Bean Seeds, 10 pk	1	2	66
40460-1	Board, wooden	2	3	88
23551	Candle, Birthday	3	6	50, 51, 74
40738	Candle, tealight, no holder	1	6	2, 17
23559	Candy, butterscotch	6	2	9
41231	Candy, lifesaver mints	6	2	60
46914	Candy, peppermint	6	2	9
40267-1	Candy, red cinnamon, 1 tbsp	1	2	9
40621-1/4	Candy, skittles, 1/4 cup	1	2	62
41123-7	Cardboard Tube, 7"	1	3	86
40282	Cardboard, Chipboard, 8 1/2 x11"	1	1	30
40282	Cardboard, Corrugated, 8 1/2 x11"	1	1	23
23601	CD Case	1	3	89
40422	Clay Dough	2	3	21, 35, 37, 39, 50, 74, 76, 81
40744	Coffee Filter	1	7	75
40423	Colored Pencils, 12 pk	1	1	21, 22, 36, 62, 68, 84
40226-bulk	Construction Paper, any color	1	1	84
40475-1	Construction Paper, black	3	1	52, 65, 68
40475-1/4	Construction Paper, black, 1/4	1	1	23
40241-120ml	Cooking Oil, 120 ml, 4 oz, 1/2 c	1	4	37
40241- 8 oz	Cooking Oil, 8 oz	1	4	37
40287-med	Craft Sticks, medium, 18 pk	1	3	80, 90
40264-2	Dish Soap, 60 ml, 2 oz, 1/4 c	2	4	7, 14, 40, 44
50418	Dropper Pipette. 3 in	1	6	45
46512	Finger Paint, single	1	3	70
22562	Flashlight, large	1	5	23, 28, 37, 52, 65, 85
40263-green	Food Coloring, green	1	4	74
40469	Funnel, large	1	In Box	17, 55, 59, 75, 86
22561	Gelatin, flavored	1	2	13
41020	Gelatin, unflavored (with instructions)	2	2	52, 65
23603	Glue Stick	1	3	38, 79
40323	Glue, All-purpose	1	3	15, 90

Item #	Item Name	Qty	Bag #	Used in Lesson #
23556	Glue, Superglue	1	3	26
40249	Golf Ball	1	5	57
40468	Honey Packet	1	2	9
41223-8oz	Hydrogen Peroxide, 8 oz	1	4	7
40341-1, bulk	Index Card, single	1	1	80
40732-120ml	Isopropyl Alcohol, 120 ml, 4 oz, ½ c	1	4	11
49051	Magnets, bar	2	8	53
64008	Magnifier, economical	1	8	6, 14
40238-lg	Marbles, large, 8 pk	1	8	46, 66, 88
40224-1	Marker, black	1	1	37
40256-roll	Masking Tape, roll	1	1	57
41122	Matches, wooden	1	6	2, 17, 50, 51, 74
22550-1	Measuring Cups	1	In Box	7, 10, 11, 17, 44, 55, 59, 75
22551	Measuring Spoons, Metal	1	6	7, 10, 17, 44, 75
40225	Measuring Tape	1	3	1, 43
40740	Mirror, 2” sq	1	8	49
40932	Mirror, magnifying round	1	8	48, 49
23555	Mirror, rectangular	1	8	23
40826	Nail, 3 in	1	9	10, 21, 63
40458	Nail, small	1	9	19
40234	Needles	2	9	53, 54
22559	Newspaper Sheet	4	1	48, 52, 70
40439	Notebook	1	1	Multiple Lessons
40467-1	Paper Plate, 6”	2	7	15, 44
40444	Paper Plate, 9”	10	7	21, 22, 36, 52, 65
40450-1	Paper Towels	4	7	11, 66
40421-2	Pen, not retractable	1	1	26
40239-S	Pencil, sharpened	4	1	Multiple Lessons
40239	Pencil, unsharpened	1	1	24
40522-1	Pepper Packets, 20 pk	1	2	4, 8, 15
40827	Pie Pan	1	6	78
40281	Plastic Bag, 10x13”	2	7	30, 64
40277	Plastic Bag, 6x6”	1	7	89
46109	Pushpin	1	9	36
40245-lg	Rubber band, large	4	3	3, 11, 82
23552	Rubber band, long	1	3	5
40245-sm	Rubber band, thin, 3x 1/16	1	3	3
23557	Rubber band, wide	1	3	47
40333	Ruler	1	1	1, 18, 25, 26, 29, 35
40240-1C	Salt, 1 cup	1	2	76
40240-1tsp	Salt, 1 tsp	1	2	10
40830-1	Sandpaper	1	3	72
40221	Scissors	1	1	Multiple Lessons
40922	Small Container, plastic	1	In Box	37
46135-1.5c	Soil, Potting, 1 ½ cup	1	5	78
40449-A	Spoons, plastic, 4 pk	1	7	13, 14, 76
40472	Spray bottle	1	6	56
40533	Stopwatch	1	5	39, 67, 86

Item #	Item Name	Qty	Bag #	Used in Lesson #
40251	Straight Pin, single	2	9	28, 33, 34
40288-lg	Straw, large	1	7	76
23550	Straws, bendable, 5 pk	1	7	33, 42
40471	Styrofoam Cups, 10 oz	2	6	53, 81
40235	Tape, clear	2	1	Multiple Lessons
23607	Tennis Ball	1	5	28, 61
40289	Thimble	1	9	54
40223	Thread	1	3	26
40222-2	Thumbtacks, 2 pk	1	9	40
40549	Toothpick, singles	2	6	37, 39
40261-8 oz	Vinegar, 8 oz	1	4	17
40261-qt	Vinegar, Qt	1	In Box	7, 10, 13, 32, 44, 75
40269	Water Bottle, no lids	3	10	55, 66
40445	Wax Paper, 12x12"	2	6	19, 86
40544-30	White Cotton String, 30 ft	1	3	27, 82, 84, 89
40233-1	White Paper, 8 ½ x 11"	13	1	1,8, 11, 15, 23, 34, 58, 69, 70
41228	Wooden Spools	4	3	82
40735-2	Yeast, 1 tbsp	1	2	7

## *Science in the Ancient World*

Lesson-by-lesson chart of what you will need, in which bag to find it, and what you will need to provide.

Lesson 1	In Your Kit:	Bag #	You Provide:
	White paper	1	A nice sunny day
	Measuring tape	3	An adult to help
	Pencil	1	Tree or tall pole that casts a shadow
	Ruler	1	

Lesson 2	In Your Kit:	Bag #	You Provide:
	Candle, tealight	6	An adult to help
	Wooden Matches	6	Countertop
			Small glass

Lesson 3	In Your Kit:	Bag #	You Provide:
	Rubber band, large	3	An adult to help
	Rubber band, thin, small	3	Medium sized bowl

Lesson 4	In Your Kit:	Bag #	You Provide:
	Pepper packet, 1	2	An adult to help
	Tape	1	Can opener
			Empty soup can
			Plastic Wrap

<b>Lesson 5 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Rubber band, long	3	Two fixed posts

<b>Lesson 6 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Magnifier	8	Your textbook and another book with pictures

<b>Lesson 7 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Dish Soap	4	Small glass
Measuring Cups	In box	Tall glass
Measuring Spoons	6	Warm tap water
Hydrogen Peroxide	4	
Yeast	2	

<b>Lesson 8 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
White paper	1	Two small glasses
Pepper packets	2	Hot pad
		Water

<b>Lesson 9 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Large Hard Candies, butterscotch	2	Butter knife
Large Hard Candies, peppermints	2	
Honey packet	2	
Small Candies, red cinnamon	2	
Paper plate, 9"	7	

<b>Lesson 10 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Measuring Cups	In box	About 30 pennies
Measuring Spoons	6	Small glass
Nail, 3"	9	
Salt	2	
Vinegar, from quart jar	In box	

<b>Lesson 11 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Measuring cups	In Box	A small amount of raw ground beef
Paper towels	7	Four small glasses
Pencil	1	Water
Rubbing alcohol	4	
Rubber bands, large, 2	3	
White paper	1	

<b>Lesson 12</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Nothing		Your wrist or someone else's

<b>Lesson 13</b> In Your Kit:	<b>Bag #</b>	<b>You Provide</b>
Gelatin, flavored Vinegar, from quart jar	2 In box	An adult to help Knife Four small glasses Fresh pineapple (cannot be canned) Spoon

<b>Lesson 14</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Dish Soap Magnifier	4 8	Butter (real butter works better) Two spoons Two tall glasses Water

<b>Lesson 15</b> In Your Kit:	<b>Bag #</b>	<b>You Provide</b>
Glue, all-purpose Paper plate, small, 6" Pepper packets, use several	3 7 2	Sink

<b>Lesson 16</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Notebook Pencil	1 1	Optional Calculator

<b>Lesson 17</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Baking Soda Candle, tealight Funnel Vinegar Wooden Matches Measuring Cups Measuring Spoons	2 6 In box 4 6 In box 6	An adult to help Two-liter bottle

<b>Lesson 18</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Ruler	1	An adult to help Heavy rock Light weight rock Medium weight rock Small board or tray Stepstool

<b>Lesson 19</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Scissors	1	An adult to help
Small nail	9	Dark towel
Tape	1	Empty soup can
Wax paper	6	Hammer
		Sunny window

<b>Lesson 20</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Notebook	1	Pictures from textbook
Pencil	1	

<b>Lesson 21</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Clay-dough	3	An adult to help
Colored pencils	1	Piece of cardboard that is larger than the paper plate
Nail	9	
Paper Plates, 4, 9"	7	
Scissors	1	

<b>Lesson 22</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Colored pencils	1	An adult to help
Paper plates, 2, 9"	7	Model from previous lesson
Scissors	1	(Save the model for lesson 36.)

<b>Lesson 23</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Construction paper, black, 1/4 sheet	1	Dim room
Corrugated Cardboard	1	
Batteries, D-cell	5	
Flashlight	5	
Rectangular Mirror (remove the plastic shield before using)	8	
Scissors	1	
Tape	1	

<b>Lesson 24</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Pencil, unsharpened	1	An adult to help
Tape	1	Two nickles
Thread	3	Sink

<b>Lesson 25</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Ruler	1	An adult to help
		Hardback books
		Heavy couch
		Shovel, or other tool with long handle

<b>Lesson 26</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Ruler	1	An adult to help
Super glue	3	Hardback books
Pen, non-retractable	1	Six quarters
Tape	1	Two pennies
Thread	3	

<b>Lesson 27</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Scissors	1	An adult to help
String	3	Wheel
Tape	1	

<b>Lesson 28</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Flashlight	5	Dark room
Straight pins	9	
Tennis ball	5	

<b>Lesson 29</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Ruler	1	Dime
		Two balls of different size
		Two helpers

<b>Lesson 30</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Cardboard, chipboard	1	An adult to help
Plastic bag, 10x13"	7	
Scissors	1	
Tape	1	

<b>Lesson 31</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Notebook	1	Nothing additional
Pencil	1	

<b>Lesson 32</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Ammonia, 2 bottles	4	Plastic wrap
Vinegar, from quart jar	In box	Red grapes
		sink
		Six small glasses

<b>Lesson 33</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Scissors	1	Sink
Straight pin	9	Tall glass
Straws, bendable, 4	7	
Tape	1	

<b>Lesson 34</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Pencil	1	An adult to help
Scissors	1	Pan to boil water
Straight pin	9	Stove
White paper	1	Water

<b>Lesson 35</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Clay-dough	3	Flat surface
Pencils, 2	1	Hand-held mirror
Ruler	1	

<b>Lesson 36</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Colored pencils	1	An adult to help
Paper plate, 9"	7	Universe model from lesson 21-22
Pushpin	9	
Scissors	1	

<b>Lesson 37</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Clay-dough	3	An adult to help
Cooking Oil	4	Dim room
Flashlight	5	Dish towel
Marker, black	1	Quarter
Scissors	1	Water in a pitcher
Small container	In box	
Toothpick	6	

<b>Lesson 38</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Glue stick	3	A photocopy of pg. A1 from Helps & Hints
Notebook	1	
Pencil	1	
Scissors	1	

<b>Lesson 39</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Clay-dough	3	An adult to help
Stopwatch	5	
Toothpick	6	

<b>Lesson 40</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Scissors	1	Large piece of cardboard
String	3	Photocopy of pg. A2 from Helps & Hints
Tape	1	
Thumbtacks	9	



<b>Lesson 41</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Nothing		A chair that sits high enough so your feet can't touch the ground An adult to help

<b>Lesson 42</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Scissors	1	Spoon
Straw, bendable	7	

<b>Lesson 43</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Measuring tape	3	An adult to help
Notebook	1	
Pencil	1	

<b>Lesson 44</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Antacid tablets	2	Metal spoon, large Paper towels Sink Spoon Two glasses
Baking Soda	2	
Dish soap	4	
Measuring cups	In box	
Measuring Spoons	6	
Paper plate, small, 6"	7	
Vinegar, 1 Cup, from qt jar	In Box	

<b>Lesson 45</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Dropper pipette	6	An adult to help Bath tub

<b>Lesson 46</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Large marbles	8	Large, flat, surface

<b>Lesson 47</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Wide rubberband	3	An open space outside Bathtub or swimming pool Pebbles that fit in the rubberband

<b>Lesson 48</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Newspaper page (cut a small piece from the large sheets)	1	Kitchen tongs Sunny day
Magnifying mirror, 50 mm round	8	

<b>Lesson 49 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Magnifying mirror, 50 mm	8	An adult to help
Mirror, 2" square	8	

<b>Lesson 50 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Candle, birthday	6	A glass that is taller than the candle
Clay-dough	3	An Adult to help you
Matches, wooden	6	Glass bowl that is larger than glass jar
		Glass jar that is larger than other glass

<b>Lesson 51 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Candle, birthday	6	An adult to help
Clay-dough	3	
Matches, wooden	6	

<b>Lesson 52 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Construction paper, black	1	Butter knife
Flashlight	5	Dark room
Gelatin, unflavored	2	Pie pan with flat bottom
Gelatin instructions	2	Round cookie cutter or glass
Newspaper page	1	Small glass or small glass bowl
Paper plate, 2, 9"	7	Spatula
Scissors	1	Spoon
Tape	1	

<b>Lesson 53 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Bar magnets, 2	8	Nothing additional
Needles, 2	9	

<b>Lesson 54 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Needle	9	A large bowl
Scissors	1	Water
Styrofoam cup	6	
Thimble	9	

<b>Lesson 55 In Your Kit:</b>	<b>Bag #</b>	<b>You Provide:</b>
Funnel	In box	An adult to help
Measuring cups	In box	Rubbing alcohol, 90 % pure
Plastic water bottle	10	Sink
		Water

<b>Lesson 56</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Spray bottle	6	Shady area outside Sunny day

<b>Lesson 57</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Golf ball	5	A large, open floor space
Masking tape	1	A board at least two feet long Some books

<b>Lesson 58</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
White paper	1	Small rock Toilet paper

<b>Lesson 59</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Funnel	In box	Empty soda can, 12 oz.
Measuring Cups	In box	Fat surface that can get wet Freezer Water

<b>Lesson 60</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Mint, <i>Lifesavers</i>	2	Freezer Kitchen tongs Plate Pot for boiling water Stove Water

<b>Lesson 61</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Tennis ball	5	Sidewalk or driveway Two helpers Wagon or something to ride on

<b>Lesson 62</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Colored candies, <i>Skittles</i>	2	Graphing grid from <i>Helps &amp; Hints</i>
Colored pencils	1	Bowl
Notebook	1	

<b>Lesson 63</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Nail, 3"	9	An adult to help Plastic two-liter bottle or milk carton Sink and tap water

<b>Lesson 64</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Zip bag, 10x13"	7	Freezer Small glass

<b>Lesson 65</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Construction paper, black	1	Butter knife
Flashlight	5	Dark room
Gelatin, unflavored	2	Pie pan
Paper plate, 9"	7	Round cookie cutter or glass
Scissors	1	Spatula
Tape	1	Spoon

<b>Lesson 66</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Bean seeds	2	An adult to help
Marbles	8	Water
Paper towel	7	
Plastic water bottle	10	
Scissors	1	

<b>Lesson 67</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Notebook	1	An adult to help
Pencil	1	A photocopy of the block letters found in Helps & Hints
Scissors	1	
Stopwatch	5	
Tape	1	

<b>Lesson 68</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Construction paper, black	1	A night when the moon is not full
Colored pencils	1	Nickle
Scissors	1	

<b>Lesson 69</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Pencil	1	Large mirror
White paper	1	

<b>Lesson 70</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Finger paint	3	An adult to help
Newspaper	1	Heavy books
White paper	1	Several leaves from different plants

<b>Lesson 71</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Notebook Pencil	1 1	Several trees and bushes to investigate

<b>Lesson 72</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Notebook Sandpaper	1 3	Tree stump

<b>Lesson 73</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Nothing	-	A room that can be dark for a few hours Bean plant from lesson 66

<b>Lesson 74</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Candle, birthday	6	An adult to help
Clay-dough	3	Glass pan
Green food coloring	4	Spoon
Matches, wooden	6	Tall glass
		Three quarters
		Water

<b>Lesson 75</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Coffee filter	7	Cookie cutter
Funnel	In box	Lamp
Measuring Cups	In box	Plate, not paper, plastic, or foam
Measuring Spoons	6	Saucepan
Vinegar, from qt. jar	In box	Skim milk
		Sink
		Spatula
		Stove
		Wooden or plastic spoon

<b>Lesson 76</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Clay-dough	3	Two glasses, same size
Salt	2	Water
Spoon	7	
Straw, 1, large	7	

<b>Lesson 77</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Nothing	-	Clothes you can get wet Garden hose attached to spigot Open space outdoors Small rock

<b>Lesson 78</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Pie Pan	6	Sink
Soil	5	

<b>Lesson 79</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Glue stick	3	Photocopy of pg. 44 from <i>Helps &amp; Hints</i>
Notebook	1	
Scissors	1	

<b>Lesson 80</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Craft sticks	3	Nothing additional
Index card	1	
Scissors	1	
Tape	1	

<b>Lesson 81</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Clay-dough	3	Nothing additional
Pencil	1	
Styrofoam cup	6	

<b>Lesson 82</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Rubber bands, 4, lg	3	Nothing additional
Scissors	1	
String	3	
Tape	1	
Wooden spools	1	

<b>Lesson 83</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Notebook	1	An adult to help
Pencil	1	Sharp knife
		Two overripe bananas

<b>Lesson 84</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Colored pencils	1	Nothing additional
Construction paper	1	
Scissors	1	
String	3	
Tape	1	

<b>Lesson 85</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Aluminum foil	6	Nothing additional
Flashlight	5	
Scissors	1	
Tape	1	

<b>Lesson 86</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Cardboard tube	3	An adult to help
Funnel	In box	
Scissors	1	
Stopwatch	5	
Tape	1	
Wax paper	6	

<b>Lesson 87</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Nothing	-	An adult to help Block of hard cheese Sharp knife

<b>Lesson 88</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Marbles	8	Nothing additional
Small boards	3	

<b>Lesson 89</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Scissors	1	Forty or more pennies Smooth edge of a countertop
String	3	
Tape	1	
Zip bag, 6x6"	7	
CD Case	3	

<b>Lesson 90</b> In Your Kit:	<b>Bag #</b>	<b>You Provide:</b>
Craft Sticks	3	Nothing additional
Glue, all purpose	3	

Please observe all safety precautions when doing experiments.

# Things You Need to Know

Thank you for choosing our supplies kit to enhance your study through the Science in the Ancient World text. So that you might find the kit easy to manipulate, there are a few things that you will need to know.

First, you will find a chart of all items within the kit listed alphabetically. It lists the quantity of each item, where it is found in the kit, and in which lesson the item is used. It is to be used for easy location of any item regardless of which lesson you are studying. You will also find our office item numbers in case you need to phone for replacements of any items.

Second, you will find a lesson-by-lesson break down of what you need for each individual lesson, where it is found in the kit, and the items you will need to provide. Every effort has been made to provide all reasonable items within the kit so that your study is not hampered by an absence of supplies, however, some things are unreasonable for us to provide. This will be obvious as you proceed.

Third, the best way to locate necessary items as you progress through the course is to always return supplies to their original bag when the experiments are completed. Several items will be used multiple times throughout the course and the Bag # will be continually referenced.

Enjoy your study!

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## General Safety Rules

- Before you do any experiment, read these instructions and the instructions for that experiment completely.
- Always recap each bottle when you are through with it, and keep all bottles and other materials away from younger children and pets.
- Handle chemicals with care. Caution notices and antidotes for chemicals are listed in these instructions. In the event of misuse (ingestion, inhalation, skin contact) immediately contact the United States National Poison Control Hotline @ 800-222-1222.
- A list of materials precedes each experiment. Some experiments require the use of common household items and materials. Common household chemicals not supplied in this kit can be purchased at local stores.
- Avoid contact between any chemical and your skin. Never rub your eyes or put your fingers in your mouth after handling a chemical. Always wash your hands immediately with soap and warm water after working with any chemical.
- Before you begin any activity, roll up your sleeves, put on an apron or smock, or other protective clothing. Tie long hair back from your face so it doesn't block your view or get caught in any equipment. Also, cover your work area with newspaper or a plastic sheet. Avoid splashing chemicals on wood surfaces, vinyl flooring, carpet, etc. Keep chemicals away from food areas.
- Always clean your equipment and work area after each activity. Clean your lab equipment, such as pipets and scoops, with warm, sudsy water. It's okay if a small amount of liquid or solid waste goes down the drain, but you should not dispose of waste material by flushing it. After your equipment is clean, be sure to wash the sink with lots of water. Be careful not to use a kitchen towel for clean up. Use a rag or paper towels that can be disposed of.

## Disposal of Chemicals

None of the chemicals in this kit pose any significant environmental hazard. However, you should still use caution when you dispose of your waste chemicals. The waste materials from each experiment should be placed in a small plastic container, like a pill vial or film canister, and the container should be placed in a sealable bag. The contained material may then be placed in the garbage for disposal in a land fill. Never mix waste products from two different experiments in the same waste container.

## Crushing and Grinding Chemicals

For some activities you will need to crush a solid chemical into a fine powder. One method is to wrap the solid in a cloth, tap the object with a hammer to break it into smaller crystals. Keep your fingers out of the way. Then pour the pieces into a clean dry jar lid, and grind them into a fine powder using the back of an old spoon.

## Notebook

Even if you have a great memory, it helps to keep a written record of what you do. Include how you prepared, what steps you did, and what you observed during and after the activity. Good records often include notes, drawings, graphs, and even photographs.

## Distilled Water

Unless the directions call for a specific type of water, it is best to use distilled water if possible.

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Please check your order for any shortages or damaged items upon receipt.  
Contact us at Nature's Workshop Plus, Inc. for replacement items.

**Please observe all safety precautions when doing experiments.**