



"Enjoying God's World of Nature"

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Apologia's Physical Science, 4th Edition

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

Item # 40800-4

Item Number	Item Name	Quantity	Module Bag
51870	Aluminum Pie Pan, 8 in	1	7
E40262-1/4c	Baking Soda, ¼ cup	1	2B
40220-lg	Balloon, Large	6	7, 9,11,13
40220-sm	Balloon, Small	1	4
40820	Battery, 9 Volt	2	2B, 5A
40521-1	Battery, AA	1	11
50653	Beaker, 250ml	4	Beaker Bag
40282	Cardboard, Chipboard, 8 ½ x 11"	2	Misc Kit
40253	CD	1	10
40333	Centimeter Ruler	1	Misc Kit
40235	Clear Tape	1	7
40475-1/4	Construction Paper, Black, ¼ sheet	1	Misc Kit
E40241-8oz	Cooking Oil, 1 c, 8 oz	1	2A
40250	Cork	4	2A
E40721-2/3c	Corn Syrup, 2/3 cup	1	2A
E40825-box	Cornstarch, 16 oz	1	12
45020	Digital Scale	1	1
E40264-60ml	Dish Soap, ¼ c, 60 ml	1	5B
E40264-10ml	Dish Soap, 10 ml	1	4
40244	Dishcloths	2	10
E50418	Dropper, 3 inch	1	14
50631	Dual Scale Thermometer	1	Loose in Box
64008	Economical Magnifier	1	1
40272	Effervescent Antacid Tablet, 2 pk	1	1
40270	Electrical Tape	1	2B
40822 -1/2	Epsom Salt, ½ c	1	5A
40828	Eraser, Small	1	1
40229-fl	Flashlight	1	10
40236-1f	Foil 1 ft	2	7, 11
41230	Food Coloring, 4 pk	1	2A
40469	Funnel (Large Size)	1	Loose in Box
E41223-8oz	Hydrogen Peroxide, 8 oz	1	5B
40341-bulk	Index Cards, single	2	7
40538-2ft	Insulated Wire, 2 ft	1	11

Item Number	Item Name	Quantity	Module Bag
40538-9in	Insulated Wire, 9" 2 pk	1	2B
E40732-2/3c	Isopropyl Alcohol 2/3 cup	1	2A
40288-1lg	Large Straw	1	4
40747-1cup	Liquid Measuring Cup, 1 cup	1	2A
40238-4	Marbles, small	4	2A
40224-R	Marker, Red	1	10
40256-roll	Masking Tape Roll	1	5A
40276	Matchbook	1	9
40225	Measuring Tape	1	6
40042	Microscope Slides, 2 pk	1	4
45054	Mirror, 4x6, large	1	10
40555-2	Modeling Clay, individual	1	5A
40826	Nail, 3 in	1	11
40531-2	Paper Clip, Large, 2 pk	1	11
40450-1	Paper Towels	1.5 oz	Loose in Box
40233	Paper, White	8	Misc Kit
40239	Pencils, unsharpened	4	7
40920	Ping-Pong Ball	1	14
40420	Plastic Cup, 5 oz	7	14
40922-1	Plastic Lid for Tub	1	11
46915	Plastic Pipette, 1ml	1	4
51745-2	Plastic Test Tubes 2 pk	1	5A
40833	Protractor		10
E40836	Pumice	1	12
40832-2	Rice, 1 tbsp	1	9
50620	Rubber Stopper 25mm Solid	1	7
40245-3"x1/16"	Rubberband, small	2	9, 13
40245-lg	Rubberbands - Large	4	8
50681	Safety Goggles	1	Loose in Box
E40778-1tbsp	Salt Substitute, 1 tbsp	1	5B
40221-lg	Scissors, Large	1	Misc Kit
40247	Skewers	4	Misc Kit
40530-10	Small Paper Clips, 10 pk	1	2A
40729-3	Steel Wool, Large Piece	1	5B
50711-6	Stirring Rod, 6"	1	1
40288-1lg	Straw, large	1	7
40471	Styrofoam Cup, 10 oz	1	4
51869	Styrofoam Packing Peanut	1	5B
E40240-1/4c	Table Salt, 1/4 cup	1	12
40738	Tealight Candle	1	9
23607	Tennis Ball	1	8
40549-5	Toothpicks, 5 pk	1	4
40261-32	Vinegar, qt	1	Loose in Box

Item Number	Item Name	Quantity	Module Bag
41028	Vitamin C Tablet, 1000 mg	1	14
46306	Washable Dry Erase Marker, Black	1	10
40271	Washers	4	2A
40445	Wax Paper, 12x12	1	Misc Kit
40544-10	White Cotton String, 10 ft	1	7
51833	Wide Mouth Quart Jar	1	2A
40735 – 2 tbsp	Yeast, 2 tbsp	1	5B
E40277	Zip Bag 6x6	1	12
40281-1	Zip Bag 6x9	1	12

Things You Need to Know

Thank you for choosing our supplies kit to enhance your study through the *Apologia's Physical Science, 4th Edition* text. The kit is easy to manipulate by following a few simple instructions.

First, within these pages of information, you will find a chart of all items within the kit listed alphabetically. It lists the quantity of each item and where it is found in the kit. It is to be used for easy location of any item regardless of which module 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 Module-by-Module break down of what **you need to provide** for each Module. 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. The labels on each bag will direct you to "save for" a later module or where to find a needed item. **Just by following the directives on each label, you'll be able to manipulate the kit with ease.**

Fourth, there is no Module 3 Bag! Module 3 does not require additional supplies.

Enjoy your study!

Please Note!

Module 14 calls for *Tincture of Iodine*. Due to supply issues we were not able to include it in this kit. Please watch for this item at your local pharmacy as it is becoming difficult to obtain. It might need to be a special order from your pharmacy.

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List of Items that you provide, listed by module.

Module	Items You Provide
1	Water
2	Cellphone Timer
	Grapes
	Ice Cubes
	Pennies
	Water
3	All items for Module 3
4	Butter
	Edibles
	Glass
	Ice Cubes
	Knife
	Microwave
	Pen
	Spoon
	Toilet Paper
	Water
5	Deep Bowl (see photo on pg 163)
	Kitchen Knives
	Tablespoon
	Water
	Cellphone Timer
	Nail Polish Remover
	Old Tray
	Spoon
6	Books
	Cellphone Timer
	Cookie Sheet
	Eggs
	Kitchen Table
7	2 Liter Bottle
	Books
	Eggs
	Nickel
	Small Piece of Paper
8	Baseball or Soccer Ball
	Shovel

Module	Items You Provide
9	Bowl
	Glass Bottle
	Plastic Tub
	Plastic Wrap
	Pot
	Water
	Wooden Spoon
10	Baking Dish
	Bowl
	Cellphone Timer
	Glass
	Quarter
	Sunny Window
	Water
11	Canvas Gloves, optional
	Clear Glass
	Pliers
12	Bowl
	Eggs
	Ice Cubes
	Potholders
	Pen
	Sauce Pan
	Shallow Pan
	Stirring Spoon
	Tablespoon
	Water
13	1 Liter Water Bottle
	All supplies for 13.2 (pg 450)
	Ice Cubes
	Plastic Cup
	Sink
	Teaspoon
	Water
14	Edibles for pg 484
	Iodine Tincture
	Plastic Wrap
	Supplies for pg 482
	Teaspoon
	Water

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.

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.

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