MATERIALS KIT LIST

Refill kit components

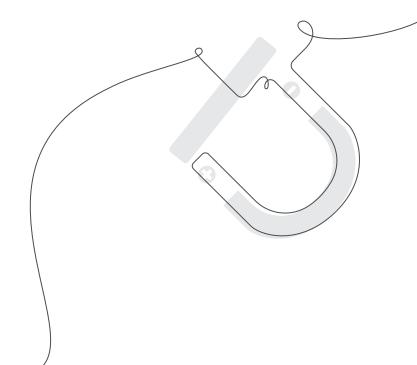




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Refill kit ISBN: 978-1-64089-298-9

Component	Quantity
Baking cup, paper, white	12
Stickers, round, black, ½"	280
Stickers, round, light blue, ½"	280
Stickers, round, removable, green, ¾"	50
Stickers, round, removable, orange, ¾"	50
Stickers, round, removable, pink, ¾"	50
Stickers, round, removable, purple, 3⁄4"	50
Stickers, round, removable, red, ¾"	50
Stickers, round, removable, yellow, ³ /4"	50
Stickers, round, yellow, ½"	75
Paper, black, sheet (36" × 24")	2
Paper, light blue, sheet (36" x 60")	2



Cups, plastic, 2 oz.

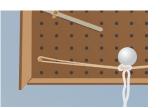
Tissue paper, sheets, variou



Needs of Plants and Animals

Refill kit ISBN: 978-1-64089-305-4

Component	Quantity
Cups, plastic, 9 oz.	250
Soil, nutrient rich	80 cups
Elf sunflower seeds	216
Radish seeds	432
Sticky notes, black, 3" x 3"	72
Sticky notes, electric blue, 3" x 3"	216



Pushes and Pulls

Refill kit ISBN: 978-1-64089-306-1

Component	Quantity
Baggies, plastic with zip	93
Balls, table tennis	73
Binder clips, large	73
Cardboard box, slotted, 11" x 17" x 2"	73
Masking tape, roll	2
Rubber bands (large)	81
Rubber bands (medium)	160
Rubber bands (small)	24
Shoelaces	73
Wooden sticks (tongue depressors)	200
Box Model Mat 1: Long/Short	73 Cards; 73 Sets
Box Model Mat 2: Left/Right	73 Cards; 73 Sets
Box Model Mat 3: Targets	73 Cards; 73 Sets



Animal and Plant Defenses

8-1-64089-299-6

	Quantity
	150
us colors	40



Light and Sound

Refill kit ISBN: 978-1-64089-300-9

Component	Quantity
Crayons, black	73
Crayons, gray	73
Crayons, silver	73
Batteries, AA	24
Envelopes, large manila	72
Envelopes, small	147
Foil, roll	1
Wax paper, roll	1
Acetate, sheet	50
Cardstock, blue, sheets (representing cardboard)	22
Foam, sheets	22
Lighting filter, sheets (representing tinted plastic)	4



Changing Landforms

Refill kit ISBN: 978-1-64089-307-8

Component	Quantity
Sand, fine playground, tan	3 cups
Sand, jagged, black	2 cups
Sand, jagged, tan	2 cups
Sand, rounded large (pebbles), multicolor	2 cups
Baggies, plastic with zip	72
Chalk, white, blocks	4
Hard candies	16
Index cards, 4" x 6"	74



Refill kit ISBN: 978-1-64089-308-5

Component	Quantity
component	Quantity
Beans, kidney	216
Beans, mung	300
Soil, nutrient rich	36 cups
Baggies, plastic with zip	25
Cotton balls	72
Play clay, blue	16 oz.
Play clay, green	16 oz.
Play clay, pink	12 oz.
Play clay, purple	24 oz.
Seeds, radish	108

Plant and Animal Relationships



Properties of Materials

Refill kit ISBN: 978-1-64089-309-2

Component	Quantity
Lids, plastic	200
Cups, paper, 3 oz.	344
Cups, plastic, 9 oz.	200
Index cards, unlined, 4" x 6"	332
Labels, pre-printed, baking soda	18
Labels, pre-printed, corn syrup	18
Labels, pre-printed, cornstarch	18
Labels, pre-printed, cornstarch + water (heated)	18
Labels, pre-printed, cornstarch + water (not heated)	18
Labels, pre-printed, flour	18
Labels, pre-printed, flour + water	18
Labels, pre-printed, gelatin + water	18
Labels, pre-printed, Glue A	18
Labels, pre-printed, Glue B	18
Labels, pre-printed, salt	18
Sticks, craft, wooden, large	550
Sticks, craft, wooden, small	550
Baking soda	128 oz.
Corn syrup	128 oz.
Cornstarch	128 oz.
Gelatin powder	6 oz.
Salt, kosher	96 oz.
Beans, kidney, pound	1 lb.



Weather and Climate

omponent	Quantity
dex cards, blank, 4" x 6"	36
aws, plastic, unwrapped	288
ooden craft sticks	320
cky notes, green, 3" x 3"	36
cky notes, pink, 3" x 3"	500
cky notes, yellow, 3" x 3"	150



Inheritance and Traits

Refill kit ISBN: 978-1-64089-311-5	
Component	Quantity
Stickers, round, blue	324
Stickers, round, red	324
Clay, green	48 oz.
Clay, red	48 oz.
Clay, yellow	48 oz.
Food coloring set	18

Pofill kit ISBN: 978-1-64089-310-8



Environments and Survival

Refill kit ISBN: 978-1-64089-312-2

Balancing Forces

Component

Batteries, D

Aluminum foil, roll

Index cards, 4" x 6"

Sandpaper, small piece

Refill kit ISBN: 978-1-64089-313-9

Component	Quantity
Baggies, plastic with zip	36
Clay, blocks, 1 lb.	5
Masking tape, roll	36
Pipe cleaners	576
Sticks, skill	432
Straws, plastic, unwrapped	800
Tape, packing, clear, roll	1
Wooden craft sticks	1224
String	252

Quantity

1

2 108

1



Earth's Features

Refill kit ISBN: 978-1-64089-301-6		
Component	Quantity	
Cups, plastic, 16 oz.	30	
Cups, plastic, 3 oz.	54	
Gravel, cups	12.5 cups	
Sand, 2.5 kg. bag	6	



Vision and Light

Refill kit ISBN: 978-1-64089-302-3

Component	Quantity
Bags, plastic with zip, quart-size	72
Cups, plastic, 9 oz.	65
Cardboard boxes	36
Hook-and-loop dots, beige	720
Pipe cleaners	72
Pom-poms, yellow	720
Yarn, skeins	2
Hook-and-loop strip, ¾" wide	180 in.
Garlic powder	2 tbsp.



Energy Conversions

Refill kit ISBN: 978-1-64089-303-0

	Component	
Cups, plastic, 2 oz.		
	Plates, paper, small	

Wooden craft sticks



Quantity
100
125
400



Patterns of Earth and Sky

Refill kit ISBN: 978-1-64089-294-1

Component	Quantity
Dots, sticky, blue	18
Dots, sticky, green	18
Dots, sticky, red	18
Dots, sticky, yellow	18
Paper, white, sheets (11" x 17")	24



The Earth System

Refill kit ISBN: 978-1-64089-295-8

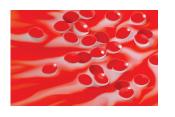
Component	Quantity
Lids, plastic for 16 oz. container	20
Plastic containers, 16 oz.	20
Aluminum foil, roll	2
Baggies, plastic with zip	218
Cups, plastic, 16 oz.	20
Cups, plastic, 9 oz.	92
Plastic cups, ½ oz.	36
Plastic wrap, rolls	2
Phenol red concentrate	400 ml.
Food coloring set	1
Baking soda	198 tsp.
Calcium chloride	324 tsp.



Ecosystem Restoration

Refill kit ISBN: 978-1-64089-296-5

Component	Quantity
Seeds, alfalfa, cup	1
Seeds, grass, cup	1.5
Soil, nutrient poor, cup	1
Soil, nutrient rich, cup	81
Balloons	6



Modeling Matter

Refill kit ISBN: 978-1-64089-297-2

Component	Quantity
Pasta, elbow macaroni, cup	2
Pasta, orzo, cup	2
Pasta, penne, cup	2
Droppers, glass	1
Cups, paper, 3 oz.	216
Cups, plastic, 3 oz.	96
Labels, pre-printed: citric acid	22
Labels, pre-printed: cornstarch	6
Labels, pre-printed: cumin	22
Labels, pre-printed: flour	6
Labels, pre-printed: lecithin	6
Labels, pre-printed: pepper	22
Labels, pre-printed: sugar	22
Paper, chromatography, strips	40
Wooden craft sticks	98
Oil, vegetable	140 oz.
Vinegar, white	120 oz.
Food coloring set	1
Acetone (nail polish remover)	1 small container
Citric acid	8 tbsp.
Cornstarch	5 tbsp.
Cumin, powder	8 tbsp.
Lecithin, powder	6 tbsp.
Pepper, black	8 tbsp.



Chemical Reactions

Refill kit ISBN: 978-1-64089-314-6

Component	Quantity
Calcium chloride	10 tbsp.
Sodium carbonate powder, anhydrous	10 tbsp.





Refill kit ISBN: 978-1-64089-682-6 Component

Brads, brass plated

String



Earth, Moon, and Sun

Refill kit ISBN: 978-1-64089-683-3	
Component	Quantity
Isosceles triangles cut from transparency	40





Component	Quantity
Baggies, plastic with zip	50
Bottles, 60 ml., filled with phenol red	10
Calcium chloride	50 tbsp.
Baking soda	50 tsp.
Bottles, 60 ml., filled with phenol red Calcium chloride	10 50 tbsp.



Force and Motion

Engineering Internship

Refill kit ISBN: 978-1-64089-315-3

Foam peanuts Baggies, plastic with zip	40 cups
	15
Caffee fillers	15
Coffee filters	100
Cotton balls	500
Deli container, rectangular	50
Pipe cleaners	100
Steel wool pads	25
Straws, plastic, unwrapped	100
Twist ties	500
String	200



Populations and Resources

Refill	kit	ISBN:	978-1-

Component
Cups, plastic, 16 oz.
Wooden craft sticks
Yeast, baker's
Sugar, white, granulated



Component	Quantity
Baggies, plastic with zip, gallon	3
Cups, plastic, 3 oz.	200
Hard candies	300

Harnessing Human Energy

Quantity
100
600

Refill kit ISBN: 978-1-64089-316-0

-64089-317-7

Quantity
250
150
200 tbsp. (100 oz.)
60 tsp. (10 oz.)

Rock Transformations

Refill kit ISBN: 978-1-64089-318-4

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