

**Mc
Graw
Hill**

Collaboration Kits
Grades 6–8

South
Carolina 
Inspire Science

Explore Our Phenomenal World



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Collaboration Kits

Learning begins with curiosity.

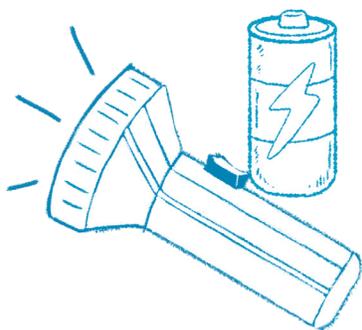
In *South Carolina Inspire Science*, students will conduct two to three inquiry activities per lesson, with many of them being kinesthetic, hands-on activities. We all know how engaging hands-on time can be for students. We also understand that managing all the needed materials can be a logistical challenge.

With *South Carolina Inspire Science*, you'll find hands-on time is a little easier with the Collaboration Kits* and Inquiry Activity Planners.



Each *South Carolina Inspire Science* Collaboration Kit* Includes:

- Neatly packaged materials needed for each hands-on inquiry activity by unit and module.
- Clearly labeled and correlated materials to the appropriate lesson.
- Contains enough materials for five small groups to encourage collaboration and communication.
- Easily replenish necessary materials for hands-on inquiry through the refill portal.



*Collaboration Kits do not include items typically found in the classroom, pens, paperclips, tape etc. or larger easily sourced materials.

Teacher Support

Inquiry Activity Planners in the Teacher’s Edition clearly identify all the hand-on materials needed throughout the module, which materials are consumable versus non-consumable, and which materials are found in your *South Carolina Inspire Science* Collaboration Kits (noted in blue text). Found online are your Student and Teacher safety handbooks.

Module: **Matter and Energy in Ecosystems**

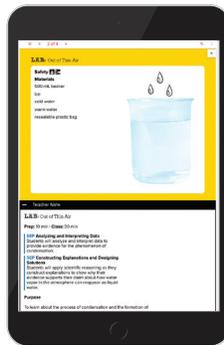
Inquiry Activity Planner
In this module, students will explore how matter and energy move through organisms and the environment. They will develop an explanation and a model to show how sunlight affects the cycle of matter and flow of energy.

Lesson	Inquiry Activity	Materials
Lesson 1	Investigation Plant Structure	Consumable
Lesson 1	LAB Photosynthesis and Light	Consumable, Non-Consumable
Lesson 2	Lab Breathe In, Breathe Out	Consumable, Non-Consumable

Lesson	Inquiry Activity	Consumable	Non-Consumable
Lesson 1	Investigation Plant Structure Purpose: To explore the structure of a leaf. 15 min		
	LAB Photosynthesis and Light Purpose: To observe and quantify the rate of photosynthesis. 30 min	Elodea	lamp, lightbulbs of different intensities, test tubes, watch or clock, colored pencils, scissors, beaker, thermometer
	Lab Breathe In, Breathe Out Purpose: To observe that the air humans inhale differs from the air humans exhale. 5 min	wrapped straws, small transparent cups, bromothymol blue solution	

LAB Online

Students can see digital labs that mirror the hands-on experience online. Teacher notes found with each online lab supports instruction, provides the SEP for the lab, and gives suggestions for guided activities.



LAB Support

GO ONLINE

Go Online to find Safety Symbols, Lab Safety Forms, and Student and Teacher LAB Safety Practices, Equipment Safety and LAB Cleanup.



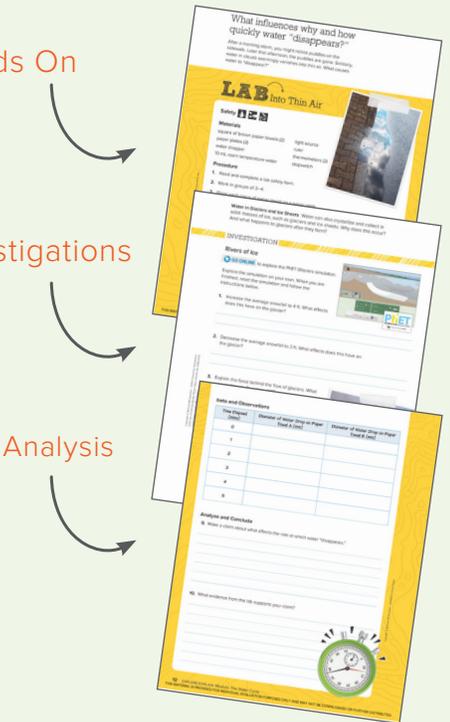
The Five Types of Inquiry in South Carolina Inspire Science

South Carolina Inspire Science include five types of inquiry activities to help students achieve proficiency with the Performance Expectations. The *South Carolina Inspire Science* Collaboration Kits ensure you’re always prepared for the hands-on inquiry activities.

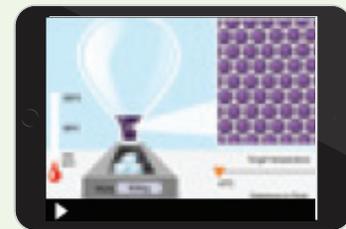
Hands On

Investigations

Data Analysis



Simulations



Engineering



Hands-On Inquiry Experience

The Module Lab Experience

Each *South Carolina Inspire Science* lesson contains multiple LABS to give you options. Each LAB provides an estimated time to complete the LAB as well as a list of materials needed so that you can plan with ease. You will find the materials needed for each LAB clearly labeled by Unit, Module and Lesson as shown in the examples below.

South Carolina Inspire Science makes it easy for you to incorporate LABS into your lessons.

The Water Cycle Module Labs

What influences why and how quickly water “disappears?”

After a morning storm, you might notice puddles on the sidewalk. Later that afternoon, the puddles are gone. Similarly, water in clouds seemingly vanishes into thin air. What causes water to “disappear?”

LAB Into Thin Air

Safety

Materials

square of brown paper towels (2) light
paper plates (2) ruler
water dropper thermometer
10 mL room temperature water stop

Procedure

1. Read and complete a lab safety form.
2. Work in groups of 3–4.
3. Place each piece of paper towel on a paper plate. Label one paper towel A and one paper towel B.
4. Add 1 drop of room temperature water to the center of each paper towel.
5. Allow the drops to spread out until they are dry. Measure each droplet spot. Record your data in the Data and Observations section on the lab report.
6. Place paper towel A in direct sunlight and paper towel B in the shade.
7. Measure the drops every minute for 5 minutes and record your observations.
8. Follow your teacher's instructions for proper cleanup.

LAB Out of Thin Air

Safety

Materials

500-mL beaker
ice
cold water
warm water
resealable plastic bag

Procedure

1. Read and complete a lab safety form.
2. With your team, plan an investigation using the provided materials to collect water from the air.

Blank area for student notes or data collection.

3. Have your teacher approve your team's plan. Conduct your investigation.
4. Evaluate if your investigation collected water as you planned and repeat steps 2–3.
5. Share your results with the class.
6. Follow your teacher's instructions for proper cleanup.

16 EXPLORE/EXPLAIN Module: The Water Cycle
THIS MATERIAL IS PROVIDED FOR INDIVIDUAL EVALUATION PURPOSES ONLY AND MAY NOT BE DOWNLOADED OR FURTHER DISTRIBUTED.

Why do some clouds rain?

Energy from the Sun causes water at Earth's surface to evaporate into the atmosphere. Water vapor in the air cools as it rises, then condenses or crystallizes and forms clouds. Moisture that falls from clouds to Earth's surface is **precipitation**. Liquid water falls to the ground as rain. Frozen water reaches Earth's surface as other forms of precipitation such as snow, sleet, or hail. But why do some clouds precipitate while others do not?

FOLDABLES

Go to the Foldables® library to make a Foldable® that will help you take notes while reading this lesson.

LAB Make It Rain

Safety

Materials

sponge container with water

Procedure

1. Read and complete a lab safety form.
2. Place a dry sponge in the water for two seconds and raise it out of the water.
3. Repeat step 2 until the sponge begins to “rain.”
4. Follow your teacher's instructions for proper cleanup.

Analyze and Conclude

5. Under what circumstances did the “cloud” rain?

Blank lines for student response.

6. Construct an explanation in your Science Notebook of the cause of precipitation. Cite evidence from the lab.

COLLECT EVIDENCE

How and why does water travel from a cloud to Earth's surface? Record your evidence (A) in the chart at the beginning of the lesson.

Want more information?

Go online to read more about water on Earth's surface.

Check out the materials provided for The Water Cycle Module



The Water Cycle Module Kit Components



Module: Water Cycle

Kit Components and Quantities:

Bottle Trigger Spray 0.5L	5
Classic Rocks Vol.2 9 Specimen 6 ea Set 54 ...	1
Dropper Plastic Not Graduated	1
Kit Stream Table Escp.	1
Pan Utility Plastic 35x25x11cm 6.6 L (7 Qt)	1
Sponge 14.5x8.3x1.9 cm Wrapped Cell	5

South Carolina Inspire Science makes inquiry-based learning easy. With a clearly labeled, re-usable bin containing the lab materials needed to complete each lab within the module.



Refill Strategy

Refill and Consumable Kits

South Carolina Inspire Science Collaboration Kits are designed to make hands-on activities stress-free and engage your students in rich learning experiences that are driven by exploration and discovery. We understand the demands of teaching multiple classes a day. That's why *South Carolina Inspire Sciences'* refill kit options makes labs easier, fun, engaging so you can focus on a collaborative learning experiences in multiple classes every day.

Refilling the used labs you have already completed is just as stress-free! *South Carolina Inspire Science* provides you an easy way to refill your kits simply by visiting our re-fill portal.

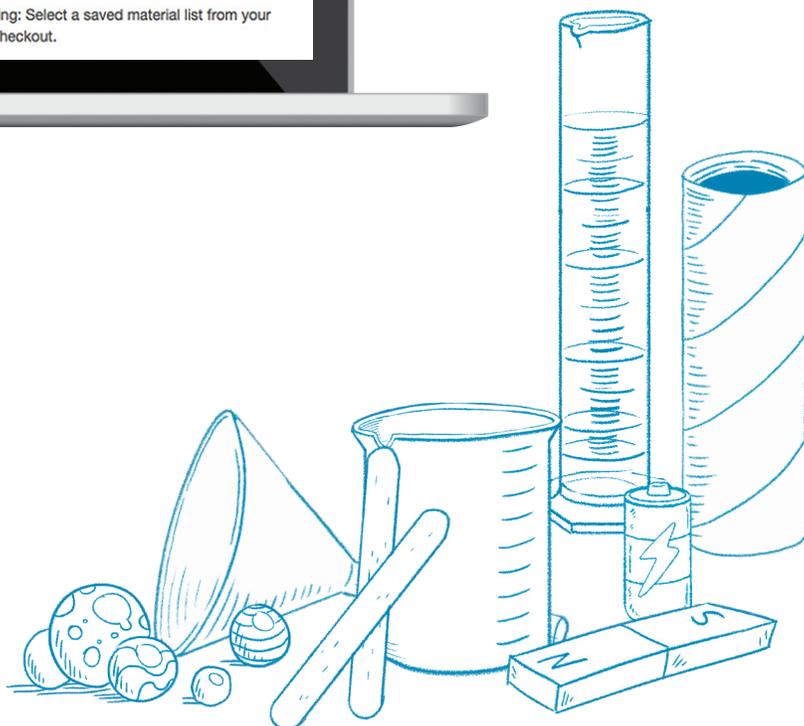
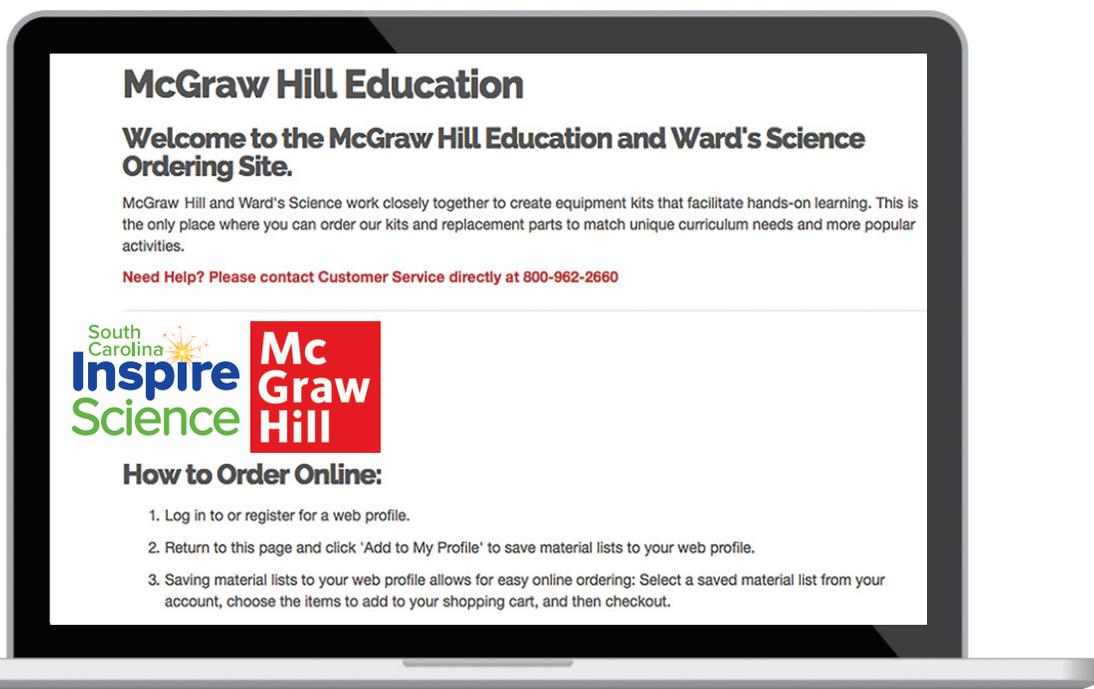


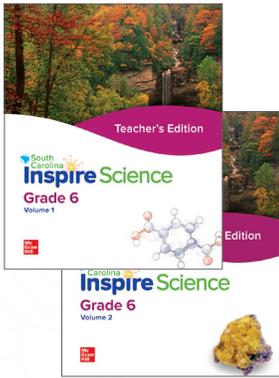


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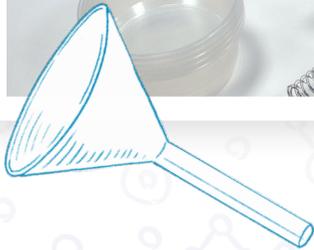


Life Structure and Function

Cells and Life

Kit Components and Quantities:

Beaker Pp 600ml Low Economy	5	Forceps Tweezers Fine Tip 115mm	5
Beaker, Low Form, 250ml Dbl Scale, VWR	5	Jar Display Glass Tall 4oz	5
Bottle Clear Plastic 1 1/2 L 2033301	5	Plastic & Coverslip Set	1
Container Plastic Sqt 237ml 8oz Translucent	5	Slide Pond Life (Wm)	2
✓ Coupon Elodea 18 Sprigs	1	Slide Salt Crystals (Wm) Slide	2
Dropper Plastic Pk6	1	Slide Allium Root Tip (Onion) Ls	2
✓ Food Coloring Blue 30 ml Dropper Bottle	1	Slide Mouth Smear Sub 28830-00	2



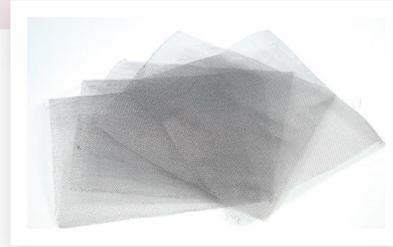
Body Systems

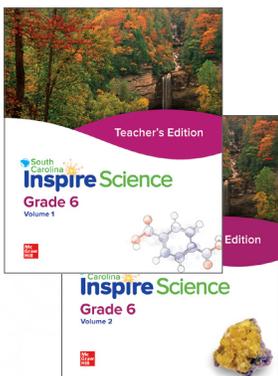
Kit Components and Quantities:

✓ Bubble Wrap Small Bubbles	10
Clamp Test Tube Stoddard Open to 25mm	1
✓ Clay Modeling H20-Rsst 1/4lb Sticks Pk4	3
✓ Coupon Earthworm Pk/12	1
✓ Filter Paper 11cm Diameter Med Flow Pk100	1
Funnel Small 1/2 Pint 3.5 In Diameter	5
✓ Gravel Aquarium 1lb. (12 Estes)	1
Motor 6v - 12v	5
Prepared Slide Cardiac Muscle	2
✓ Sand Fine 2.5 Kg (5.5lbs)	1
Slide Non-Human Smooth Muscle	2
Slide Striated Muscle Ls	2
Truck Matchbox Type Die Cast Assorted	5
VWR Test Tubes 16x150mm	5

Common Items:

Screen Aluminum. Wire 1816 Mesh 10x10	1
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Understanding Waves

Introduction to Waves

Kit Components and Quantities:

Cubes Connecting 5 Colors 3/4in	
Set 50	1
Dowels Wood 12x.25in Pk6	1
✓ Rubber Bands No.33 3.5x1/8x1/32 1oz	1
✓ Silly Putty	5
Slinky Jr Metal	5
✓ Sponge 14.5x8.3x1.9 cm Wrapped Cell	5
Stopwatch Electric LED 1/100 Second	
60 Min	5
✓ String Cotton 200 Ft 4-Ply	1
Tape Measure 1.5m Met/Eng	
Lead Free	10

Light

Kit Components and Quantities:

Acrylic Filter Set/5	1
Beaker Pp Low Form Economy	
100ml Pk10	1
✓ Candle Warming 2001700	5
✓ Cardboard Corrugated 15cm X 15cm	5
✓ CD-ROM Scrap	5
✓ Cellophane Red 20 X 60 Roll	1
✓ Clay Modeling 4oz ea of	
RGBY .5kg (1lb)	3
✓ Comb Plastic 15cm	5
Lens Concave 5cm 15cm FL	5
Lens Concave 5cm 20cm FL	5
Lens Double Convex 3.75cm D	
20cm FL	5
Mirror Convex 3.75cm D 5cm F	5
Mirror Plastic 7.5x12.5cm Pk6	1
Prism Equilateral Plastic 25mm	5
✓ Skewer Bamboo 250mm Pk100	1
Spoon, Metal Teaspoon	5
VWR Test Tubes 15x125mm	5
Wood Block Poplar 3x1.5x1.5in Pk6	1



Information Technologies

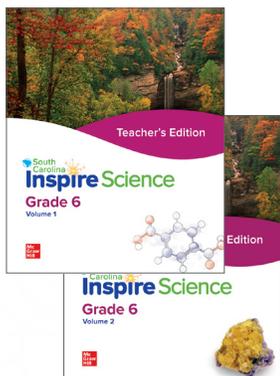
Kit Components and Quantities:

 Cassette Tape Blank	5
Dominoes Set 28	10
Thermometer Digital C&F Min/Max VWR	5

Common Items:

Beaker Poly Disposable 250ml	5
Flashlight Plastic (Size D)	5
Thermometer -20C to 110C	5
VWR Beaker 600ml Pk6	1





Understanding Matter

Energy and Matter

Kit Components and Quantities:

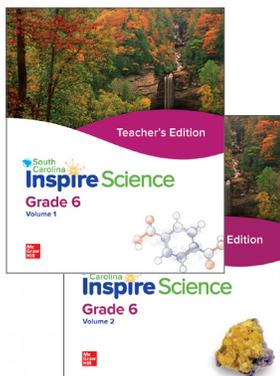
Aluminum Block	5
Balance Stud w/Masses Cap 2000g	1
Beaker Poly Disposable 250ml	5
Cylinder Polypropylene 100x1ml	
Sgl Scale	5
✓ Pan Aluminum Foil 1.5x4.75 Diameter	5
✓ Petri Dish 100mm Pk/6 Non-Sterile	1
✓ Polyester Fiber Fill 4oz	1
Stirring Rod Glass 5mmx150mm	5
Wood Block 3 X 4 X ¾	5

Classification and States of Matter

Kit Components and Quantities:

Balloons, Pk35	1
✓ Clay Modeling 4oz ea of RGBY .5kg (1lb)	2
Cup, Plastic, 9oz.....5	
Electricode Copper 2x3/4	5
✓ Epsom Salt 500g Non-Hazardous	1
Flask Snap Cap 50ml A VWR	
Volumetric	5
✓ Glycerol Rg 500ml Glycerine Life	1
Pan Aluminum Foil 13x9x2in	5





Water and Climate

The Water Cycle

Kit Components and Quantities:

Bottle Trigger Spray 0.5 L	5
Classic Rocks Vol.2 9 specimen 6 ea Set 54.	1
Kit Stream Table Escp.	1
Pan Utility Plastic 35x25x11cm 6.6 L(7 Qt)	1
🌱 Sponge 14.5x8.3x1.9 cm Wrapped Cell	5



Weather and Climate

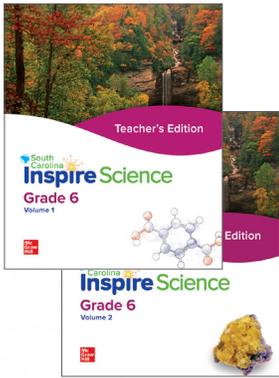
Kit Components and Quantities:

Ball Table Tennis (Ping Pong)	1
Beaker Pp Low Form Economy 100ml Pk 12	2
● Balloon Round Assorted Color 9in Pk35	1
Bowl Plastic 24oz 6in Diameter	15
Globe Inflatable 11in Diameter.	5

Common Items:

Beaker Pp 600ml Low Economy	5
Clamp On Light w/Shade 150 Watt Max	5
● Dropper Plastic Not Graduated	1
Flashlight Plastic (Size D)	5
● Sand Fine 2.5 Kg (5.5lbs).	2
Stopwatch Electric LED 1/100 Second 60 Min	5
Thermometer -20c To 110c	15





The Changing Earth

Geologic Time

Kit Components and Quantities:

- Tape Measure 1.5m Met/Eng 5
- Tray Styrofoam White 8x10in 15



Dynamic Earth

Kit Components and Quantities:

- Beaker, 600mL 1
- Bin, Shoebox Sized 5
- Play-Doh 5
- Bead Pop Blue 10mm Pk200 1
- Beaker Pp 50ml Low Form Economy ... 1
- Box Cardboard 12-3/4 X 9-5/8 X 1 5
- Clay Modeling 4oz ea of
 - RGBY .5kg (1lb) 2
- Colored Art Sand Yellow; 2lb. Bag 1
- Cylinder Graduated Pp 25ml 1
- Dropper Pipette Disposable
 - Pk/20 Grad. 150x5mm 1
- Funnel Small 1/2 Pint 3.5in Diameter ... 1
- Hydrochloric Acid 30ml 1.6 M 5.0%
 - Solution 1
- Kit Stream Table Escp. 1
- Lens Hand 3x/6x Dual Magnifier Pk6 ... 1
- Play-Doh 5
- Rock Sandstone Spec 2-3cm Pk6 1
- Skewer Bamboo 250mm Pk100 1
- Sandpaper Medium 9 X 11 Sheet 5
- Tube Cardboard 12x2in (.060in Wall) ... 5
- Tube Cardboard 13x2.5cm Id 5
- Tube Cardboard 7.5cm X 4cm
 - Od1.44 Idx3 5



Distribution of Earth's Resources

Kit Components and Quantities:

Coal Anthracite Spec 2-3cm Pk6	1
Forceps Plastic 127mm Pk6	1
Seed Kidney Bean 1lb Shelf Life 3 Yrs	1
Seed White Navy Pea Bean 1lb 454g	1
Soil Potting 8lb 16 Cups	1
Stopwatch Electric LED 1/100 Second 60 Min	5

Common Items:

Pan Aluminum Foil 13x9x2in	10
Sand Fine 2.5 Kg (5.5lbs)	2
Beads, Color, 1lb	1
String, Cotton	1
Utility Pan, Plastic	2
Pebbles/Gravel 1lb	2

Natural Hazards

Kit Components and Quantities:

Bottle Trigger Spray 0.5 L	5
Cloth Wool 4x4in	5
String Cotton 200 ft 4-PLY	1
Toy Boat Stacking Tugboat	1
Wire Gauze Galv 13x13 cm (5 X 5)	5



Interactions Within Ecosystems

Matter and Energy in Ecosystems

Kit Components and Quantities:

✓ Balloon Round 9 Pkg/6 Assorted		
Colors	1	
Beaker, Low Form, 250ml Dbl Scale, VWR	5	
✓ Bromothymol Blue Soln 0.01%(Aq)		✓ Filter Paper 11cm Diameter Med Flow k100
100ml	1	Flask, Erlenmeyer, 250ml VWR
✓ Chalk White Dustless Hi Content PK12	1	Thermometer -20c To 110c
Clamp On Light w/Shade 150 Watt		VWR Test Tubes 16x150mm
Max	5	✓ Yeast 7 G Dry Baking 1
Coupon, Elodea	1	



Dynamic Ecosystems

Kit Components and Quantities:

Bowl Plastic 24 oz 6in Diameter.....	5
Spray Trigger Bottle 16oz.....	5
Sand Medium Grain 2.5kg (5.5 lbs).....	1

Biodiversity in Ecosystems

Kit Components and Quantities:

Pony Beads Assorted Colors 1lb.....	1
Tape Measure 1.5m Met/Eng	
Lead Free.....	5

Common Items:

Stopwatch Electric LED 1/100 Second	
60 Min.....	5





Energy and Motion

Forces and Motion

Kit Components and Quantities:

Animals Wild Wind-Up	5
Ball Tennis Pk4	3
✓ Peanuts Foam Pkg/200	2
Spring Scale-500g/5 Dual Calibration Green	10
Tape Measure 1.5m Met/Eng Lead Free	5

Mechanical Energy

Kit Components and Quantities:

Ball 3in Foam Assorted Colors Pk12	1
Ball Hard Rubber 2-1/4 Diameter	5
Ball Hi-Bounce 1 Diameter	5
Ball Steel 3/8	5
✓ Clay Modeling 4oz ea of RGBY .5kg (1lb)	2
✓ Cup Paper Opaque Waxed 200ml	5
✓ Dropper Pipette Disposable Pk/20 Grad. 150x5mm	1
Marble Clear Glass 1in Diameter Pk6	3
Rubber Bands #5 1/4 lb Bx Approx Pk80	1
Spring Compressible 2 1/2 X 3/4	5



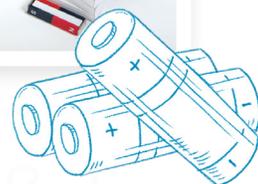
Electromagnetic Forces

Kit Components and Quantities:

Ammeter AC	1
Bar Magnet Ceramic Blue 50x22x10mm	5
Battery Alka Size AA 1.5v Pk4	2
Battery Hold-D-Cell Single w/Fahnestock Clips	15
Battery-Holder Dual AA Pk10	1
Bolt 1/2-13x3 Carriage Bolt Zinc Plated	50
Bowl Plastic Assorted Colors 5 Quart	5
Bulbs, Miniature, Pk12	1
Cardboard Corrugated 15cm X 15cm	5
Comb Plastic 15cm	5
Compass Magnetic 40mm Diameter	20
Funnel Small 1/2 Pint 3.5in Diameter	5
Magnet Block Ceramic 50x25x10mm	5
Nail 2.5cm Pk50	1
Nail Iron 2 Long	15
Sandpaper Medium 9 X 11 Sheet	5
Battery Size D Carbon Zinc Heavy Duty Pk6	3
Socket Light Mini w/Fahnstock Clip Pk6	1
Spring Scale-250 G/2.5 Dual Calibration Blue	5
Stick Craft Pk30	1
Straw Plastic Flex Wrapped 19.7cm	5
Wire Insulated 22 Gauge 150' Roll	1
Wire Leads Red w/ Alligator Clips 56 cm ..	20
Wire Magnet 32g	1
Wood Board Masonite 1/8 X6 X14	5
Fixed Right Angle Clamp Holder For .5 Rods	2
Wire Cutter and Stripper	1
Wire, Insulated	1

Common Items:

Balance Stud w/Masses Cap 2000g	1
Balloon Round Assorted Color 9in Pk35	1
Cloth Wool 4x4in	5
Magnet Bar Alnico 3in Marked Poles Pk2 ..	5
Rubber Bands Assorted 1/4lb	1
Stopwatch Electric LED 1/100 Second 60 Min	5
String Cotton 200 Ft 4-Ply	1
Support Stand w/Rod & Ring 10cmx15cm ..	2
Tube Cardboard 12x2in (.060in Wall)	5
Washer Metal 3/4 Odx5/16 Id Pkg/6	8





Interactions of Matter

Matter: Properties and Changes

Kit Components and Quantities:

Aluminum Block	5	Pipette Dropper, Pk20	1
Beaker, 100mL	5	Plastic Test Tube Rack 12 Place	
Beaker, 600mL	1	For 25mm	5
Bowl Plastic 24oz 6in Diameter	5	Pyrite Specimen 2-3cm Pk6	1
✓ Calcium Chloride 30% 250ml	1	✓ Sodium Bicarbonate Solution 0.1m	
Calcium Chloride Lg 25g	1	50ml	1
✓ Citric Acid 1-Hydrate Lg 100g Granular	1	✓ Splint Wooden 15cm Pk25	1
✓ Cold Pack First Aid	1	Stirring Rod Glass 5mm X 250mm	5
✓ Heat Pack 10 Hour	5	Stopwatch Electric LED 1/100 Second	
Introductory Molecular Model Set	5	60 Min	5
✓ Iodine-Iodide (KI) Solution 30ml 1.85%	1	Tape Measure 1.5m Met/Eng	
✓ Juice Red Cabbage Jiffy	1	Lead Free	5
✓ L-Ascorbic Acid Lg 25g Powder	1	Thermometer -20c To 110c	5
✓ Magnesium Sulfate 0.5m Soln 500ml	1	VWR Test Tubes 15x125mm	35



Materials Science

Kit Components and Quantities:

3/4 Pvc Pipe 2	5
Beaker Tri Pour 1000ml Pk10	1
🌱 Clay Modeling 4oz ea of	1
Clip Binder Lg 2in w/1in Cap Pk12	2
Container Plastic Clear Deli 12oz	5
Food Coloring, 4 colors	1
Funnel Small 1/2 Pint 3.5in Diameter	5
Lens Hand 3X/6X Dual Magnifier Pk6	5
Nut (Hex) 5/16	5
Rope Clothesline 7/32 X 50'	1
🌱 Rubber Bands No.33 3.5x1/8x1/32 1oz	2
🌱 Saline Physiological 0.9% Aqueous	1

Common Items:

Balance, with Masses	1
Graduated Cylinder, 100mLL	10
Lens Hand 3X/6X Dual Magnifier Pk6	1





Impacts on the Environment

Human Impact on the Environment

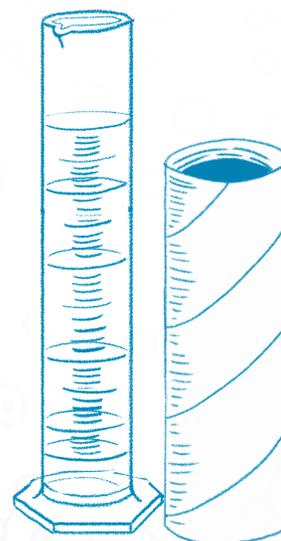
Kit Components and Quantities:

Baster	5
Beaker Pp 1000ml Low Form Stacking	5
Beaker Pp 50ml Low Form Economy Pk100	5
Bin and Lid 6.3 Qt (5.9 L)	5
Bowl Plastic Assorted Colors 5 Quart	5
Chart Ph Color	5
Cylinder Graduated Pp Single Scale 50x1ml	5
✓ Food Coloring Pk 4/.3oz Btl-Ryblug	1
Forceps Plastic 127mm Pk6	1
Gravel Aquarium 1lb. (12 Estes)	1
Pail 324 1/2 Gallon White Opaque Pe with Handle	2
Pan Utility Plastic 35x25x11cm 6.6 L(7 Qt)	1
pH Paper, Wide Range1	1
✓ Sand Fine 2.5 Kg (5.5lbs)	1
✓ Soil Potting 8 lb 16 Cups	1
Stopwatch Electric LED 1/100 Second 60 Min	5
Tubing Vinyl Plastic 1/4x1/16in Wall	15
Wool Cloth	5

Earth and Human Activity

Kit Components and Quantities:

Seed Pinto Bean 1 LB	1
VWR Beaker 100ML	6







The Changing Earth

Geologic Time

Kit Components and Quantities:

- Tape Measure 1.5m Met/Eng 5
- Tray Styrofoam White 8x10in.....15

Dynamic Earth

Kit Components and Quantities:

- Beaker, 600mL1
- Bin, Shoebox Sized..... 5
- Play-Doh 5
- Bead Pop Blue 10mm Pk2001
- Beaker Pp 50ml Low Form Economy ... 1
- Box Cardboard 12-3/4 X 9-5/8 X 1 5
- Clay Modeling 4oz ea of
 - RGBY .5kg (1lb)..... 2
- Colored Art Sand Yellow; 2lb. Bag1
- Cylinder Graduated Pp 25ml 1
- Dropper Pipette Disposable
 - Pk/20 Grad. 150x5mm1
- Funnel Small 1/2 Pint 3.5in Diameter ... 1
- Hydrochloric Acid 30ml 1.6 M 5.0%
 - Solution.....1
- Kit Stream Table Escp. 1
- Lens Hand 3x/6x Dual Magnifier Pk6 ... 1
- Play-Doh 5
- Rock Sandstone Spec 2-3cm Pk6 1
- Skewer Bamboo 250mm Pk100.....1
- Sandpaper Medium 9 X 11 Sheet 5
- Tube Cardboard 12x2in (.060in Wall) ... 5
- Tube Cardboard 13x2.5cm Id 5
- Tube Cardboard 7.5cm X 4cm
 - Od1.44 Idx3..... 5



Distribution of Earth's Resources

Kit Components and Quantities:

Coal Anthracite Spec 2-3cm Pk6	1
Forceps Plastic 127mm Pk6	1
Seed Kidney Bean 1lb Shelf Life 3 Yrs	1
Seed White Navy Pea Bean 1lb 454g	1
Soil Potting 8lb 16 Cups	1
Stopwatch Electric LED 1/100 Second 60 Min	5

Natural Hazards

Kit Components and Quantities:

Bottle Trigger Spray 0.5 L	5
Cloth Wool 4x4in	5
String Cotton 200 ft 4-PLY	1
Toy Boat Stacking Tugboat	1
Wire Gauze Galv 13x13 cm (5 X 5)	5

Common Items:

Pan Aluminum Foil 13x9x2in	10
Sand Fine 2.5 Kg (5.5lbs)	2
Beads, Color, 1lb	1
String, Cotton	1
Utility Pan, Plastic	2
Pebbles/Gravel 1lb	2





Energy and Motion

Forces and Motion

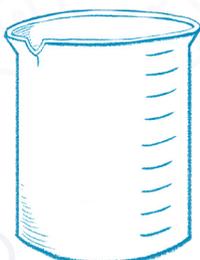
Kit Components and Quantities:

Animals Wild Wind-Up	5
Ball Tennis Pk4	3
✓ Peanuts Foam Pkg/200	2
Spring Scale-500g/5 Dual Calibration Green	10
Tape Measure 1.5m Met/Eng Lead Free	5

Mechanical Energy

Kit Components and Quantities:

Ball 3in Foam Assorted Colors Pk12	1
Ball Hard Rubber 2-1/4 Diameter	5
Ball Hi-Bounce 1 Diameter	5
Ball Steel 3/8	5
✓ Clay Modeling 4oz ea of RGBY .5kg (1lb)	2
✓ Cup Paper Opaque Waxed 200ml	5
✓ Dropper Pipette Disposable Pk/20 Grad. 150x5mm	1
Marble Clear Glass 1in Diameter Pk6	3
Rubber Bands #5 1/4 lb Bx Approx Pk80	1
Spring Compressible 2 1/2 X 3/4	5



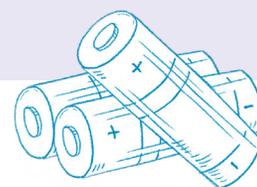
Electromagnetic Forces

Kit Components and Quantities:

Ammeter AC	1
Bar Magnet Ceramic Blue 50x22x10mm	5
Battery Alka Size AA 1.5v Pk4	2
Battery Hold-D-Cell Single w/Fahnestock Clips	15
Battery-Holder Dual AA Pk10	1
Bolt 1/2-13x3 Carriage Bolt Zinc Plated	50
Bowl Plastic Assorted Colors 5 Quart	5
Bulbs, Miniature, Pk12	1
Cardboard Corrugated 15cm X 15cm	5
Comb Plastic 15cm	5
Compass Magnetic 40mm Diameter	20
Funnel Small 1/2 Pint 3.5in Diameter	5
Magnet Block Ceramic 50x25x10mm	5
Nail 2.5cm Pk50	1
Nail Iron 2 Long	15
Sandpaper Medium 9 X 11 Sheet	5
Battery Size D Carbon Zinc Heavy Duty Pk6	3
Socket Light Mini w/Fahnstock Clip Pk6	1
Spring Scale-250 G/2.5 Dual Calibration Blue	5
Stick Craft Pk30	1
Straw Plastic Flex Wrapped 19.7cm	5
Wire Insulated 22 Gauge 150' Roll	1
Wire Leads Red w/ Alligator Clips 56 cm	20
Wire Magnet 32g	1
Wood Board Masonite 1/8 X6 X14 Fixed Right Angle Clamp Holder For .5 Rods	2
Wire Cutter and Stripper	1
Wire, Insulated	1

Common Items:

Balance Stud w/Masses Cap 2000g	1
Balloon Round Assorted Color 9in Pk35	1
Cloth Wool 4x4in	5
Magnet Bar Alnico 3in Marked Poles Pk2	5
Rubber Bands Assorted 1/4lb	1
Stopwatch Electric LED 1/100 Second 60 Min	5
String Cotton 200 Ft 4-Ply	1
Support Stand w/Rod & Ring 10cmx15cm	2
Tube Cardboard 12x2in (.060in Wall)	5
Washer Metal 3/4 Odx5/16 Id Pkg/6	8





Understanding Waves

Introduction to Waves

Kit Components and Quantities:

Cubes Connecting 5 Colors 3/4in	
Set 50	1
Dowels Wood 12x.25in Pk6	1
✓ Rubber Bands No.33 3.5x1/8x1/32 1oz	1
✓ Silly Putty	5
Slinky Jr Metal	5
✓ Sponge 14.5x8.3x1.9 cm Wrapped Cell	5
Stopwatch Electric LED 1/100 Second	
60 Min	5
✓ String Cotton 200 Ft 4-Ply	1
Tape Measure 1.5m Met/Eng	
Lead Free	10

Light

Kit Components and Quantities:

Acrylic Filter Set/5	1
Beaker Pp Low Form Economy	
100ml Pk10	1
✓ Candle Warming 2001700	5
✓ Cardboard Corrugated 15cm X 15cm	5
✓ CD-ROM Scrap	5
✓ Cellophane Red 20 X 60 Roll	1
✓ Clay Modeling 4oz ea of	
RGBY .5kg (1lb)	3
✓ Comb Plastic 15cm	5
Lens Concave 5cm 15cm FL	5
Lens Concave 5cm 20cm FL	5
Lens Double Convex 3.75cm D	
20cm FL	5
Mirror Convex 3.75cm D 5cm F	5
Mirror Plastic 7.5x12.5cm Pk6	1
Prism Equilateral Plastic 25mm	5
✓ Skewer Bamboo 250mm Pk100	1
Spoon, Metal Teaspoon	5
VWR Test Tubes 15x125mm	5
Wood Block Poplar 3x1.5x1.5in Pk6	1



Information Technologies

Kit Components and Quantities:

🌐 Cassette Tape Blank	5
Dominoes Set 28	10
Thermometer Digital C&F Min/Max VWR	5

Common Items:

Beaker Poly Disposable 250ml	5
Flashlight Plastic (Size D)	5
Thermometer -20C to 110C	5
VWR Beaker 600ml Pk6	1





Exploring Space

The Sun-Earth-Moon System

Kit Components and Quantities:

Ball Tennis	5
Balloon Round Assorted Color 9in Pk35	1
Clamp On Light w/Shade 150 Watt Max	5
Clay Modeling 4oz ea of RGBY .5kg (1lb)	1
Dowels Wood 12x.25in Pk6	1
Flashlight Plastic (Size D)	5
Inflatable Topographic World Globe 12	5



Exploring the Universe

Kit Components and Quantities:

- 🌱 String Cotton 200 Ft 4-Plys 1
- Paper Roll - small
2.25in W X 150ft L 2

Common Items:

- 🌱 Ball Styrofoam 3in Diameter Pk6 1
- Ball Styrofoam 1" Diameter Pk6 1
- Clay Modeling 4 oz ea of RGBY
.5kg (1lb) 3





Reproduction of Organisms

Reproduction of Organisms

Kit Components and Quantities:

- Bead Pop Red 10mm Pk200 1
- Bowl Plastic 24oz 6in Diameter 5
- Container, Plastic, 8oz 5
- Coupon Coleus Potted Set of 3 1
- Dice Playing 5/8in White
w/Black Dots Pk2 3
- Pony Beads Assorted Colors 1lb 1
- Seed Lima Bean 8oz Pk210 1





Change Over Time

Natural Selection and Adaptations

Kit Components and Quantities:

- Lens Hand 3x/6x Dual Magnifier Pk6 ... 1
- ✓ Seed Sunflower 30g Approx 200 1

Evidence of Evolution

Kit Components and Quantities:

- Container Plastic 237ML 8OZ 5
- ✓ Plaster of Paris 1.5 LB CAN (4 CUPS) ... 2
- ✓ Sand Medium Grain 2.5KG (5.5 LBS) ... 1
- ✓ Shell Scallop 5-6CM (PECTEN) 5
- Spoon Long Handed White Plastic PK6 1
- Spoon Measuring 4-IN-1 (COLORS) 5
- Spoon Plastic Mixing 5
- Spoon Slotted Plastic 5
- Spoon Wooden 10 Inches Long 5



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