

**Mc  
Graw  
Hill**

**Collaboration Kit Guide**  
**Grades K-5**

# Inspire Science

Explore Our Phenomenal World



[inspire-science.com](http://inspire-science.com)

# Make Hands-On Time a Little Easier

In 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 Inspire Science, you'll find hands-on time is a little easier with the Collaboration Kits, the Inquiry Activity Planners, and the helpful video demonstrations.

## Use this guide to learn more about:

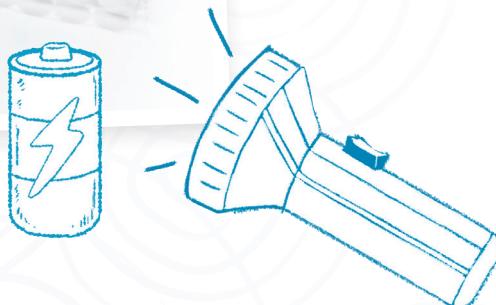
1. Collaboration Kit design and organization
2. Teacher support for hands-on time
3. Materials included in each kit, grades K-5

### Did You Know?

Collaborative learning activities promote student engagement and the development of scientific explanation and argumentation skills.



## 1 Collaboration Kit Design



Each Collaboration Kit includes both **consumable and non-consumable** materials for **five groups** of students to promote group collaboration and dialog. All materials are neatly **organized by unit** (in clear plastic, stackable bins) **and by module** (in clear plastic zip bags with module and lesson labeling).

## 2 Teacher Support

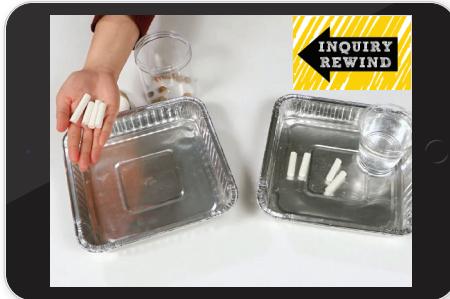
### Inquiry Activity Planners

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 Inspire Science Collaboration Kits (noted in blue text).

Module: Information Processing and Transfer																
Inquiry Activity Planner																
<p>In this module, students will investigate information processing and transfer and design and build a device that uses light and/or sound to communicate a message.</p> <table border="1"> <thead> <tr> <th>Lesson</th> <th>Inquiry Activity</th> <th>Materials</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Lesson 1</td> <td><b>Hands On Sense of Touch</b></td> <td>Consumable Non-Consumable</td> </tr> <tr> <td><b>Purpose:</b> To explore how their sense of touch works when their sense of sight is impaired.</td> <td>(30 min) small groups material for blindfold 3 sandpaper samples of different grades, hand lens</td> </tr> <tr> <td rowspan="2"></td> <td><b>Hands On Pill Bugs</b></td> <td>(30 min) small groups 15 pill bugs, potting soil, leaves, paper towels, water, fish food</td> </tr> <tr> <td><b>Purpose:</b> To investigate how pill bugs use their senses to help them survive.</td> <td>hand lens, plastic habitat</td> </tr> </tbody> </table>				Lesson	Inquiry Activity	Materials	Lesson 1	<b>Hands On Sense of Touch</b>	Consumable Non-Consumable	<b>Purpose:</b> To explore how their sense of touch works when their sense of sight is impaired.	(30 min) small groups material for blindfold 3 sandpaper samples of different grades, hand lens		<b>Hands On Pill Bugs</b>	(30 min) small groups 15 pill bugs, potting soil, leaves, paper towels, water, fish food	<b>Purpose:</b> To investigate how pill bugs use their senses to help them survive.	hand lens, plastic habitat
Lesson	Inquiry Activity	Materials														
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	<b>Hands On Pill Bugs</b>	(30 min) small groups 15 pill bugs, potting soil, leaves, paper towels, water, fish food														
	<b>Purpose:</b> To investigate how pill bugs use their senses to help them survive.	hand lens, plastic habitat														
Lesson	Inquiry Activity	Materials														
<p>★ <b>GO ONLINE</b> for teacher support videos on selected activities. Materials included in the Collaboration Kit are listed in blue.</p>		Consumable	Non-Consumable													
Lesson 1	<b>Hands On Sense of Touch</b>	(30 min) small groups material for blindfold	3 sandpaper samples of different grades, hand lens													
	<b>Purpose:</b> To explore how their sense of touch works when their sense of sight is impaired.															
	<b>Hands On Pill Bugs</b>	(30 min) small groups	15 pill bugs, potting soil, leaves, paper towels, water, fish food													
	<b>Purpose:</b> To investigate how pill bugs use their senses to help them survive.		hand lens, plastic habitat													
STEM Module Project	<b>Purpose:</b> To research and decode a binary code message.  <b>Engineering Challenge Pixel Message</b> <b>Purpose:</b> To design and build a device that uses light and/or sound to send a message across a room.	(30 min) pairs stopwatch, flashlight, bell, whistle, drum, translucent colored sheets, 2 colors	batteries													
<p>McGraw-Hill is your partner for hands-on materials. To order new Collaboration Kits or refill specific items, contact the McGraw-Hill Education customer support line at (800) 336-3987.</p>																
<small>52G Module: Information Processing and Transfer</small>																

### Inquiry Activity Support Videos

Use the digital experience to demonstrate the hands-on activities, and to provide direction and inspiration for the STEM Module Projects.



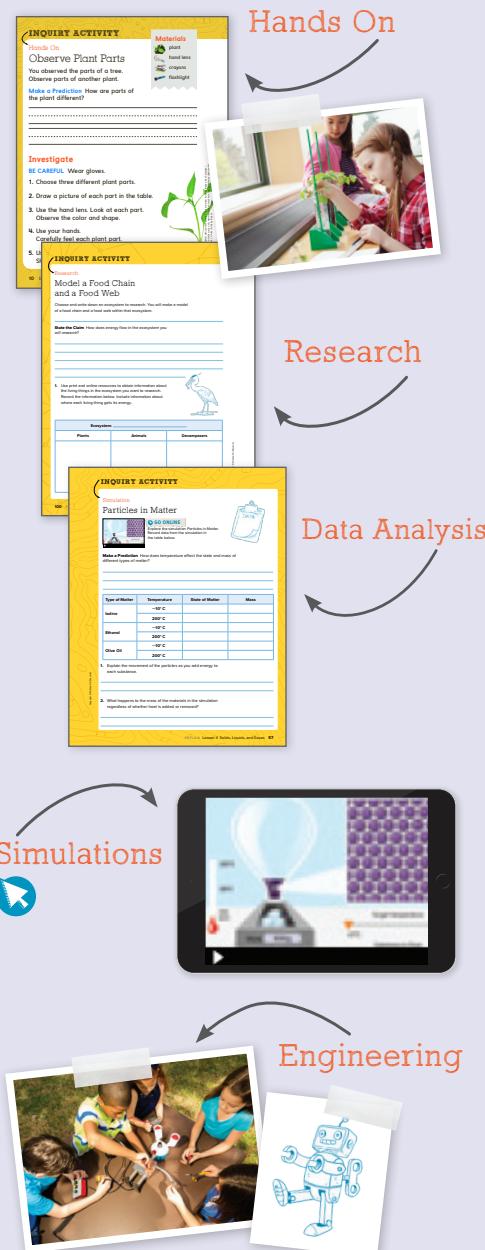
Video Demonstrations

## 3 Materials Included

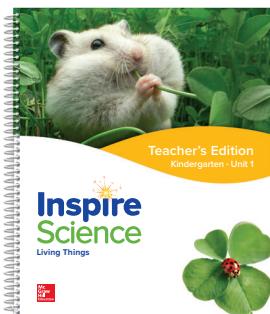
On the following pages, let's take a look at what materials come in each kit, Grades K-5.

### The Five Types of Inquiry in Inspire Science

Based on learning science research, Inspire Science includes five types of inquiry activities to help students achieve proficiency with the Performance Expectations. The Inspire Science Collaboration Kits ensure you're always prepared for the hands-on inquiry activities.



# Grade K • Collaboration Kit Materials



## Unit 1: Living Things

**Collaboration Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 1

**ISBN:** 007687379X

**✓ Collaboration Refill Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 1

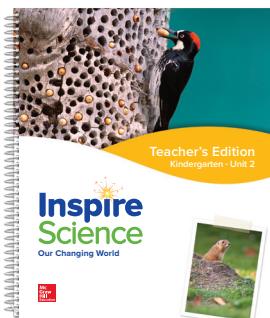
**ISBN:** 0076900967

### Module: Plants and Animals

#### Kit Components and Quantities:

✓ Animal Food .....	1	Pebbles, Pkg .....	5
✓ Clay .....	1	✓ Plastic Cups .....	10
Clear Plastic .....	1	✓ Pond Snails (Coupon) .....	1
✓ Cotton Balls, Pkg .....	1	✓ Sand .....	1
✓ Craft Sticks, Pkg .....	1	Sponges .....	12
Cubes, Pkg .....	1	✓ Wax Paper .....	1
✓ Earthworms (Coupon) .....	1	✓ Yarn .....	1
✓ Elodea Plants (Coupon) .....	1	✓ Zebrafish (Coupon) .....	1
✓ Foam Plates .....	1		
Hand Lenses, Pkg .....	1		
✓ Paper Plates .....	10		





## Unit 2: Our Changing World

**Collaboration Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 2

**ISBN:** 0076873803

**Collaboration Refill Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 2

**ISBN:** 0076901009

### Module: Changes to the Environment

#### Kit Components and Quantities:

- Chenille Stems, Pkg ..... 1
- Clay ..... 1
- Craft Sticks, Pkg ..... 1
- Rounded Toothpicks ..... 1
- Soil ..... 2

### Module: Protect Earth

#### Kit Components and Quantities:

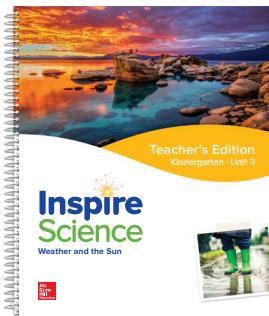
- Cardboard Tubes ..... 5
- Masking Tape ..... 1
- Plastic Dishes ..... 5
- Plastic Spoons ..... 5
- Plastic Tubs ..... 5
- Screens ..... 5

#### Common Materials:

- Aluminum Pans ..... 10
- Plastic Cups ..... 10



# Grade K • Collaboration Kit Materials



## Unit 3: Weather and the Sun

**Collaboration Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 3

**ISBN:** 0076873811

**Collaboration Refill Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 3

**ISBN:** 0076901017

### Module: Weather

#### Kit Components and Quantities:

✓ Aluminum Foil	1
✓ Chenille Stems, Pkg	1
✓ Craft Sticks, Pkg	1
✓ Crepe Paper	1
✓ Cup	1
Metal Lids	5
Miniature Trees, Pkg	1
✓ Paper Bags	5
✓ Paper Plates	10
Plastic Houses	5
Plastic Jars	5
Push Pins, Pkg	1
Rain Gauge	1
Windsock	1
Wool Cloth	5

### Module: The Sun and Earth's Surface

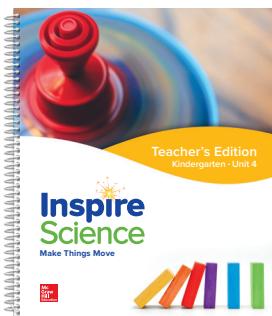
#### Kit Components and Quantities:

✓ Cardboard Tubes	1
✓ Plastic Cups	10
✓ Plastic Wrap	1
✓ Polystyrene Foam	2
✓ Rocks, Pkg	2
✓ Soil	1
✓ Sunscreen	1
✓ Sun-Sensitive Paper, Pkg	1
UV Beads, Pkg	1

### Common Materials:

✓ Aluminum Pans	10
✓ Masking Tape	1
✓ Sand	2
Thermometers	10





## Unit 4: Make Things Move

**Collaboration Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 4

**ISBN:** 007687382X

 **Collaboration Refill Kit Title:** Inspire Science, Grade K, Collaboration Kit - Unit 4

**ISBN:** 007690105X

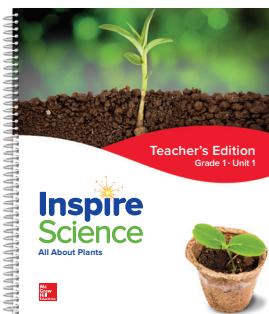
### Module: Forces in Motion

#### Kit Components and Quantities:

Beach Balls .....	5
 Cardboard Tubes .....	10
 Clay .....	2
 Craft Sticks, Pkg .....	2
Golf Balls .....	5
Large Marbles, Pkg .....	1
 Masking Tape .....	1
Plastic Blocks .....	5
Rubber Bouncy Balls .....	5
 Sandpaper .....	3
Small Marbles .....	1
Stopwatches .....	5
Tennis Balls .....	5
Toy Cars .....	5
Wooden Blocks .....	5
Wooden Boards .....	5
 Yarn .....	1



# Grade 1 • Collaboration Kit Materials



## Unit 1: All About Plants

**Collaboration Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 1

**ISBN:** 0076873838

**Collaboration Refill Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 1

**ISBN:** 0076901084

### Module: Plant Structures and Functions

#### Kit Components and Quantities:

	Batteries, Pkg.	2
	Blue Food Coloring	1
	Cardboard Tubes	5
	Chenille Stems, Pkg.	1
	Clear Containers	5
	Flashlights	5
	Hard Lenses, Pkg.	1

#### Common Materials:

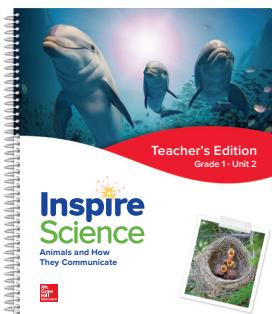
Cubes, Pkg.	1
Masking Tape	1

### Module: Plant Parents and Their Offspring

#### Kit Components and Quantities:

	Chenille Stems, Pkg.	1
	Cotton Balls, Pkg.	1
	Hook and Fasteners	5
	Plastic Cups	5
	Polystyrene Foam	5
	Potting Soil	1
	Radish Seeds, Pkg.	1
	Tissue Paper, Pkg.	5
	Toothpicks	1





## Unit 2: Animals and How They Communicate

**Collaboration Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 2

**ISBN:** 0076873846

**Collaboration Refill Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 2

**ISBN:** 0076901092

### Module: Animals Parents and Their Offspring

#### Kit Components and Quantities:

Aquarium .....	1
Bass Fasteners .....	10
Butterfly Larvae (Coupon) .....	1
Cotton Balls, Pkg. ....	1
Fish Food .....	1
Foam Sheets .....	5
Goldfish (Coupon) .....	1
Gravel .....	1
Hand Lens .....	5

### Module: Communication

#### Kit Components and Quantities:

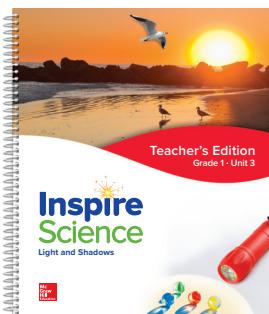
Bowls .....	5
Rubber Bands (Long and Short), Pkg. ....	1

### Common Materials:

Masking Tape .....	1
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# Grade 1 • Collaboration Kit Materials



## Unit 3: Light and Shadows

**Collaboration Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 3

**ISBN:** 0076873854

**Collaboration Refill Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 3

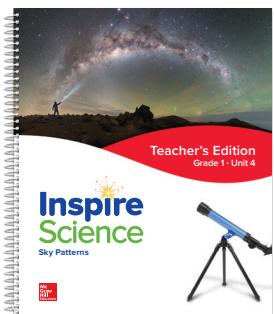
**ISBN:** 0076901130

### Module: See Objects

#### Kit Components and Quantities:

<input checked="" type="checkbox"/>	Aluminum Foil	.....	1
<input checked="" type="checkbox"/>	Baby Powder	.....	1
<input checked="" type="checkbox"/>	Batteries, Pkg.	.....	2
	Cubes, Pkg.	.....	1
	Flashlights	.....	5
	Mirrors, Pkg.	.....	1
<input checked="" type="checkbox"/>	Modeling Clay	.....	1
<input checked="" type="checkbox"/>	Paper Bags	.....	5
<input checked="" type="checkbox"/>	Plastic Wrap	.....	1
<input checked="" type="checkbox"/>	Wax Paper	.....	1





## Unit 4: Sky Patterns

**Collaboration Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 4

**ISBN:** 0076873862

 **Collaboration Refill Kit Title:** Inspire Science, Grade 1, Collaboration Kit - Unit 4

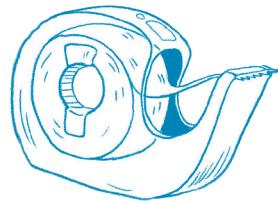
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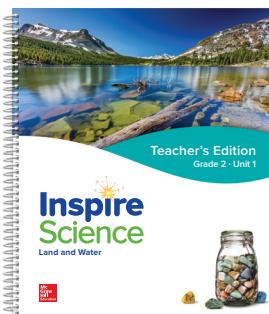
### Module: Observe the Sky

#### Kit Components and Quantities:

 Clay	.....	1
 Masking Tape	.....	1
 Paper Plates	.....	5
 Poster Board	.....	3
 Straws	.....	10



# Grade 2 • Collaboration Kit Materials



## Unit 1: Land and Water

**Collaboration Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 1

**ISBN:** 0076873870

**Collaboration Refill Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 1

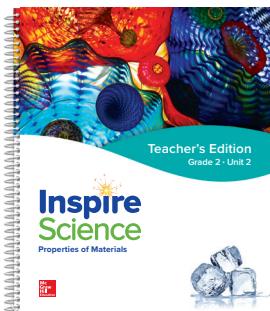
**ISBN:** 0076901238

### Module: Earth's Landscape

#### Kit Components and Quantities:

✓ Aluminum Pans	.....	10
✓ Cups	.....	10
Marbles, Pkg	.....	1
✓ Masking Tape	.....	1
✓ Modeling Clay	.....	8
✓ Sand	.....	2





## Unit 2: Properties of Materials

**Collaboration Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 2

**ISBN:** 0076873889

 **Collaboration Refill Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 2

**ISBN:** 007690119X

### Module: Describe Materials

#### Kit Components and Quantities:

 Burlap	.....	1
 Cardboard Tubes	.....	10
 Cotton Balls, Pkg.	.....	1
 Craft Sticks, Pkg.	.....	1
Hand Lenses	.....	5
 Paper Bags	.....	5
 Plastic Wrap	.....	1
Rock Sample, Set	.....	1
Stopwatches	.....	3
 Straws	.....	10
 Wax Paper	.....	1

### Module: Change to Materials

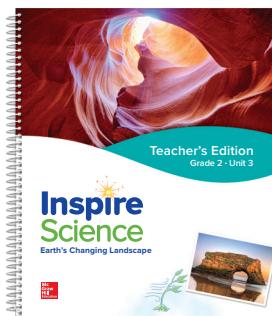
#### Kit Components and Quantities:

Cubes, Pkg.	.....	1
 Sand	.....	1
 Soil	.....	1
Thermometers	.....	5
 Toothpicks, Pkg.	.....	1

### Common Materials:

 Cups	.....	10
 Masking Tape	.....	1
 Modeling Clay	.....	2





## Unit 3: Earth's Changing Landscape

**Collaboration Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 3

**ISBN:** 0076873897

• **Collaboration Refill Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 3

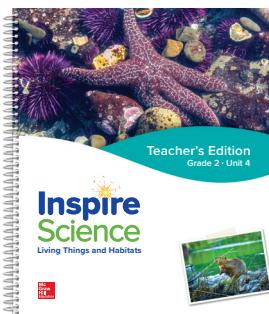
**ISBN:** 0076901238

### Module: Landscape Changes

#### Kit Components and Quantities:

• Aluminum Pans	15	• Modeling Clay	2
• Baking Soda	1	• Pebbles	1
• Chalk, Pkg.	1	• Plastic Cups	15
Cloth	3	• Plastic Wrap	1
Cubes, Pkg.	1	• Sand	1
• Dishwashing Liquid	1	• Spoons	5
Hand Lenses, Pkg.	1	Stopwatches	5
Jars	5	• Straws, Pkg.	1
Lids	5	• Vinegar	1
• Masking Tape	1		





## Unit 4: Living Things and Habitats

**Collaboration Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 4

**ISBN:** 0076873900

 **Collaboration Refill Kit Title:** Inspire Science, Grade 2, Collaboration Kit - Unit 4

**ISBN:** 0076901262

### Module: Plants in Landscapes

#### Kit Components and Quantities:

	Aluminum Foil .....	1
	Brown Paper Bags .....	5
	Chenille Stems, Pkg .....	1
	Cotton Balls, Pkg .....	1
	Craft Sticks, Pkg .....	1
	Cups .....	10
	Marigold Seeds, Pkg .....	1
	Masking Tape .....	1
	Milkweed Seeds, Pkg .....	1
	Pumpkin Seeds, Pkg .....	1
	Radish Seeds, Pkg .....	1
	Red Maple Seeds, Pkg .....	1

### Module: Living Things in Habitats

#### Kit Components and Quantities:

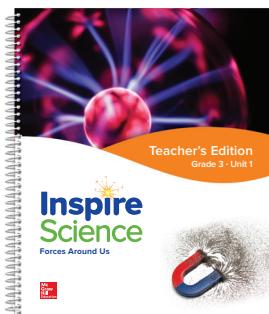
Jars .....	5	
Measuring Cup .....	5	
	Pill Bugs (Coupon) .....	1
	Plastic Wrap .....	1
	Rubber Bands, Pkg .....	1
	Salt .....	1
	Soil .....	1
Teaspoons .....	5	
	Yarn .....	1

#### Common Materials:

Hand Lenses, Pkg .....	1
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# Grade 3 • Collaboration Kit Materials



## Unit 1: Forces Around Us

**Collaboration Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 1

**ISBN:** 0076873919

**Collaboration Refill Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 1

**ISBN:** 0076901270

### Module: Forces and Motion

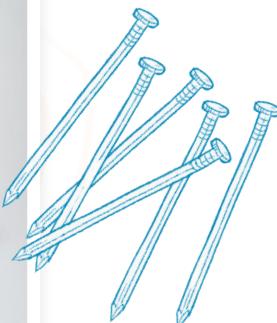
#### Kit Components and Quantities:

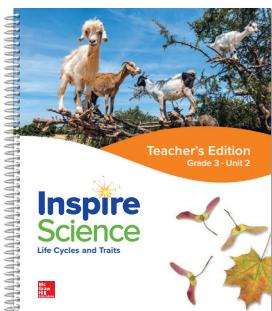
	Cardboard, 20 x 30 cm	5
	Cardboard 30 x 50 cm	5
	Marbles, Pkg	1
	Masking Tape	1
	Sandpaper	5
	Stopwatches	5
	Toy Cars	5
	Wind-Up Toys	5

### Module: Electricity and Magnetism

#### Kit Components and Quantities:

	Aluminum Foil	1
	Balloons, Pkg	1
	Bar Magnets	3
	Batteries, Pkg	2
	Battery Holders	10
	Confetti, Pkg	2
	Insulated Wire	1
	Iron Nails	5
	Metal Spoons	5
	Petri Dish, Pkg	1
	Plastic Spoons	5
	Ring Magnets	10
	Polyester Cloth	5
	Spray Bottles	5
	Unflavored Gelatin, Pkg	1
	Wool Cloth	5
	Wire Cutter	1





## Unit 2: Life Cycles and Traits

**Collaboration Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 2

**ISBN:** 0076873927

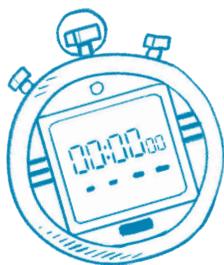
 **Collaboration Refill Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 2

**ISBN:** 0076901319

### Module: Plants

#### Kit Components and Quantities:

 Lima Bean Seeds, Pkg	1
 Paper Plates	5
 Plastic Knives	5
 Radish Seeds, Pkg	1
 Resealable Plastic Bags	10

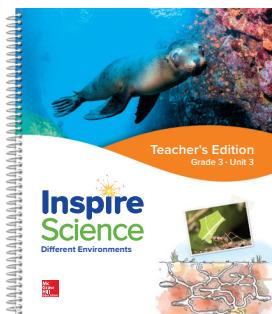


### Module: Animals

#### Kit Components and Quantities:

 Aquarium	1
 Butterfly Cage	1
 Butterfly Larvae (Coupon)	1
 Containers	5
 Craft Sticks, Pkg	5
 Cups	1
 Fish Food	1
 Gravel	1
 Hand Lenses, Pkg	1
 Lids	5
 Masking Tape	1
 Mealworms (Coupon)	1
 Modeling Clay	2
 Sawdust	1
 Stopwatches	5
 Zebrafish (Coupon)	1





## Unit 3: Different Environments

**Collaboration Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 3

**ISBN:** 0076873943

**Collaboration Refill Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 3

**ISBN:** 0076901327

### Module: Survive the Environment

#### Kit Components and Quantities:

<input checked="" type="checkbox"/>	Black Beans, Pkg.	1
<input checked="" type="checkbox"/>	Black-Eyed Peas, Pkg.	1
<input checked="" type="checkbox"/>	Cotton Balls, Pkg.	1
<input checked="" type="checkbox"/>	Cardboard	5
<input checked="" type="checkbox"/>	Drinking Straws	5
<input checked="" type="checkbox"/>	Lima Bean Seeds, Pkg.	1
<input checked="" type="checkbox"/>	Paper Plates	5
<input checked="" type="checkbox"/>	Plastic Spoons	5
<input checked="" type="checkbox"/>	Potting Soil	1
	Stopwatch	5
	Tweezers	1
	White Beans, Pkg.	1

### Module: Change of Environment

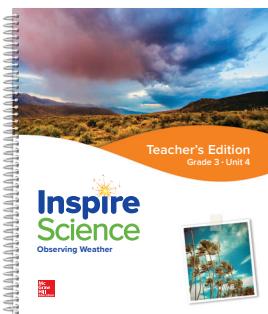
#### Kit Components and Quantities:

<input checked="" type="checkbox"/>	Blue Sand	1
	Paint Brushes	5
<input checked="" type="checkbox"/>	Paper Cups	10
<input checked="" type="checkbox"/>	Paper Plates	15
<input checked="" type="checkbox"/>	Red Sand	1
	Tablespoons	5
<input checked="" type="checkbox"/>	Yellow Sand	1

#### Common Materials:

<input checked="" type="checkbox"/>	Masking Tape	1
<input checked="" type="checkbox"/>	Plastic Cups	20
<input checked="" type="checkbox"/>	Toothpicks	1





## Unit 4: Observing Weather

**Collaboration Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 4

**ISBN:** 0076873951

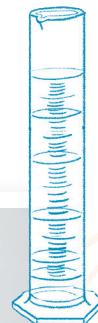
 **Collaboration Refill Kit Title:** Inspire Science, Grade 3, Collaboration Kit - Unit 4

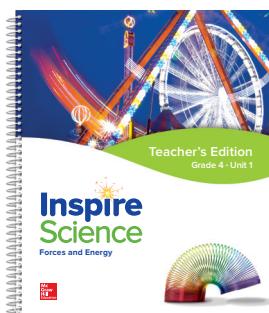
**ISBN:** 007690136X

## **Module:** Weather Impacts

### **Kit Components and Quantities:**

Clay Soil	1	Resealable Plastic Bags	5
Craft Sticks, Pkg	1	Sand	2
Gelatin, Pkg	2	Sandy Soil	1
Graduated Cylinders	5	Sugar Cubes, Pkg	1
Gram Cubes, Pkg	1	Thermometers, Pkg	1
Measuring Cups	5	Toothpicks, Pkg	1
Modeling Clay	2	Trays	5
Plastic Containers	5	Watering Cans	5
Plastic Cups, Pkg	1		
Plastic Paint Trays	5		
Plastic Spoons	5		
Potting Soil	1		





## Unit 1: Forces and Energy

**Collaboration Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 1

**ISBN:** 0076873986

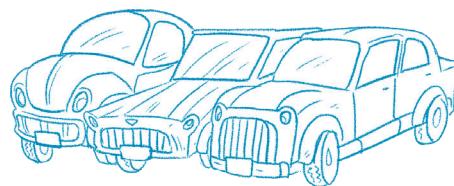
**Collaboration Refill Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 1

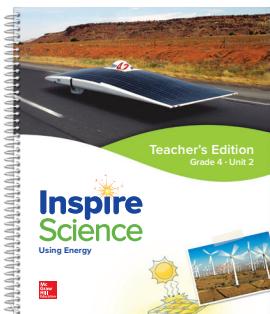
**ISBN:** 0076901378

### Module: Energy and Motion

#### Kit Components and Quantities:

Ball Bearings	10	Non-Vinyl Tubing	25
Cardboard	5	Plastic Bottles with Screw Caps	1
Cardboard Tubes	10	Plastic Cups	10
Clipboards	5	Stopwatches	5
Golf Balls	5	Table Tennis Balls, Pkg.	1
Graduated Cylinders	5	Toy Cars	10
Modeling Clay	1		
Masking Tape	1		





## Unit 2: Using Energy

**Collaboration Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 2

**ISBN:** 0076873994

 **Collaboration Refill Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 2

**ISBN:** 0076901416

### Module: Energy Transfer

#### Kit Components and Quantities:

Battery Holders .....	<b>20</b>
 Blue Food Coloring.....	<b>1</b>
Buzzer.....	<b>5</b>
 D-Cell Batteries, Pkg.....	<b>4</b>
Knife Switches.....	<b>5</b>
Marbles, Pkg .....	<b>1</b>
 Paper Cups.....	<b>5</b>
 Plastic Cups .....	<b>30</b>
 Pom Poms,Pkg.....	<b>1</b>
 Red Food Coloring.....	<b>1</b>
Rubber Balls.....	<b>5</b>
 Rubber Balloons, Pkg.....	<b>1</b>
 Rubber Bands, Pkg.....	<b>1</b>
Wind-Up Toys.....	<b>5</b>
Wires .....	<b>5</b>
Wires with Clips.....	<b>50</b>

#### Common Materials:

Bowls.....	<b>5</b>
Lightbulb Holders.....	<b>5</b>
 Masking Tape.....	<b>1</b>
 Mini Lightbulbs, Pkg .....	<b>3</b>
Thermometers.....	<b>10</b>

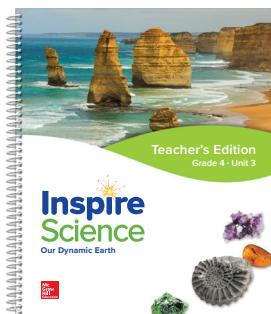
### Module: Natural Resources in the Environment

#### Kit Components and Quantities:

 Aluminum Foil .....	<b>1</b>
 Aluminum Pans .....	<b>5</b>
 Brown Paper Bags .....	<b>10</b>
Black Beads, Pkg .....	<b>3</b>
 Chenille Stems .....	<b>5</b>
 Cotton Balls, Pkg .....	<b>1</b>
 Detergent .....	<b>1</b>
 Feathers, Pkg .....	<b>1</b>
Lids .....	<b>5</b>
 Milkshake Pans .....	<b>5</b>
Plastic Containers .....	<b>5</b>
Plastic Jars .....	<b>5</b>
 Plastic Spoons .....	<b>5</b>
 Plastic Wrap .....	<b>1</b>
 Pushpins, Pkg .....	<b>1</b>
Red Beads, Pkg .....	<b>1</b>
 Rubber Bands, Pkg .....	<b>1</b>
Small LED Lamps, Pkg .....	<b>1</b>
Solar Cells with Wires .....	<b>5</b>
 Sponges .....	<b>5</b>
Stopwatches .....	<b>5</b>
 Thread .....	<b>1</b>
White Beads, Pkg .....	<b>1</b>



# Grade 4 • Collaboration Kit Materials



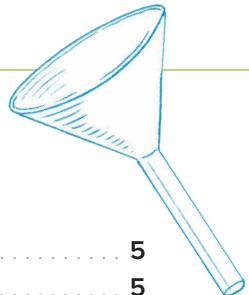
## Unit 3: Our Dynamic Earth

**Collaboration Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 3

**ISBN:** 0076874001

**Collaboration Refill Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 3

**ISBN:** 0076901378



### Module: Earth and Its Changing Features

#### Kit Components and Quantities:

Aluminum Pans (9 x 13")	10	Spoons	5
Bowls	5	Stopwatches	5
Cardboard, 30 x 30 cm	5	Top Soil	1
Cotton Balls, Pkg.	1	Watering Cans	5
Drinking Straws	5	Wood Blocks	5
Filter Paper, Pkg.	1		
Flour	2		
Forks, Pkg.	3		
Funnels	5		
Graduated Cylinders	5		
Gravel	1		
Hand Lenses, Pkg.	1		
Jars	15		
Lids	15		
Measuring Cup	5		
Modeling Clay (Cream)	2		
Nonvinyl Tubing	25		
Pan Balances	5		
Salt	2		
Sand	1		
Sandstone Rocks, Pkg.	8		
Sponges	5		

### Module: Earthquakes

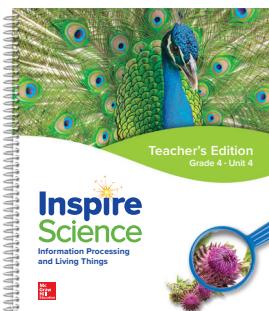
#### Kit Components and Quantities:

Cardboard 20 x 30 cm	5
Corks	5
Craft Sticks	5
Drinking Straws	5
Rubber Bands, Pkg.	1
Spring Toys	5
String	1

### Common Materials:

Aluminum Pans (8 x 8")	10
Blocks	24
Masking Tape	1
Modeling Clay (4 Colors)	2





## Unit 4: Information Processing and Living Things

**Collaboration Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 4

**ISBN:** 0076876764

 **Collaboration Refill Kit Title:** Inspire Science, Grade 4, Collaboration Kit - Unit 4

**ISBN:** 0076906094

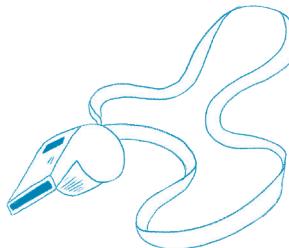
### Module: Structures and Functions of Living Things

#### Kit Components and Quantities:

 Colored Gravel	1
Forks	5
 Pea Gravel	1
 Poster Boards	5
 Tongue Depressors	5
Tweezers, Pkg	1

#### Common Materials:

Hand Lenses, Pkg	1
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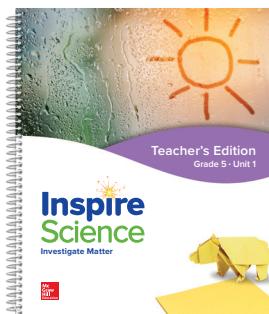
### Module: Information Processing and Transfer

#### Kit Components and Quantities:

Bells	3
Blindfolds	5
 Blue Light Filters	3
 Clear Cups	5
 D-Cell Batteries, Pkg	2
Flashlights	5
Mirrors, Pkg	1
 Pill Bugs (Coupon)	1
Plastic Habitats	5
 Potting Soil	1
Protractors, Pkg	1
Red Light Filters	3
 Sand	1
Sandpaper, Coarse	5
Sandpaper, Fine	5
Sandpaper, Medium	5
Stopwatches	5
 Whistles	3



Grade 5 • Collaboration Kit Materials



## **Unit 1: Investigate Matter**

**Collaboration Kit Title:** Inspire Science, Grade 5, Collaboration Kit - Unit 1

**ISBN:** 0076876772

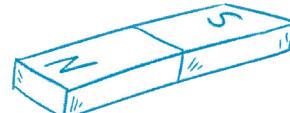
 **Collaboration Refill Kit Title:** Inspire Science, Grade 5 Collaboration Kit - Unit 1

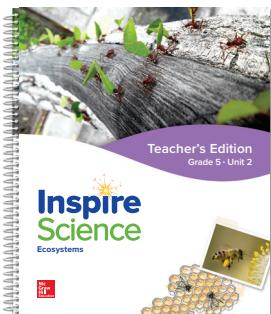
**ISBN:** 0076906086

## Module: Matter

### **Kit Components and Quantities:**

Acrylic Rods	5	Sand	1
Aluminum Foil	1	Sponges	5
Ball Bearings	1	Spoons	15
Beaker, 1000 mL	5	Stopwatches	5
Beaker, 250 mL	10	Sieves	5
Borax	1	Sugar	1
Copper Wire	1	Syringes	5
Graduated Cylinders	5	Wooden Toothpicks, Pkg	1
Gravel	1		
Magnets	5		
Modeling Clay	1		
Number Cube	5		
Plastic Bowls	10		
Plastic Cups	10		
Pan Balances	5		
Rubber Erasers	5		





## Unit 2: Ecosystems

**Collaboration Kit Title:** Inspire Science, Grade 5, Collaboration Kit - Unit 2

**ISBN:** 0076876780

 **Collaboration Refill Kit Title:** Inspire Science, Grade 5 Collaboration Kit - Unit 2

**ISBN:** 0076900908

### Module: Matter in Ecosystems

#### Kit Components and Quantities:

Beakers, 250mL .....	5
 Cardboard .....	40
 Cotton Balls, Pkg .....	1
 Earthworms (Coupon) .....	1
 Lima Beans, Pkg .....	1
Pan Balances .....	5
 Plastic Cups .....	20
 Plastic Knives .....	5
 Resealable Plastic Bags .....	25
 Sand .....	1

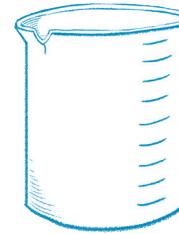
### Module: Energy in Ecosystems

#### Kit Components and Quantities:

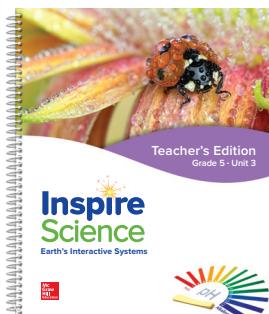
Blue Chips, Pkg .....	1
Clothespins .....	5
Clear Containers .....	5
 Elodea (Coupon) .....	1
Lids .....	5
 Plastic Cups .....	5
 Plastic Wrap .....	1
 Rubber Bands, Pkg .....	1
 Radish Seeds, Pkg .....	1
 Yeast, Pkg .....	5

### Common Materials:

 Gravel .....	1
 Masking Tape .....	1
 Soil .....	2



# Grade 5 • Collaboration Kit Materials



## Unit 3: Earth's Interactive Systems

**Collaboration Kit Title:** Inspire Science, Grade 5, Collaboration Kit - Unit 3

**ISBN:** 0076876772

**Collaboration Refill Kit Title:** Inspire Science, Grade 5 Collaboration Kit - Unit 3

**ISBN:** 0076900916

### Module: Earth's Water System

#### Kit Components and Quantities:

Aluminum Pans	20
✓ Ammonia	1
✓ Baking Soda	1
✓ Chalk, Pkg.	1
✓ Cheesecloth	5
✓ Drinking Straws	10
✓ Droppers, Pkg	1
✓ Gravel	1
✓ Liquid Soap	1
Nails	5
✓ Paper Cups	20
✓ Paper Plates	10
✓ Plastic Cups, Pkg.	1
✓ Sand	1
✓ White Vinegar	1

### Module: Earth's Other Systems

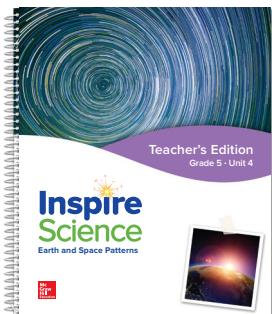
#### Kit Components and Quantities:

✓ Aluminum Foil	1
✓ Clay Soil	1
Clear Plastic Bins	5
✓ Coffee Filters	15
✓ Food Coloring	1
Graduated Cylinders	5
Metal Teaspoons	5
✓ Modeling Clay	2
Plastic Jars	15
Plastic Trays	5
✓ Sandy Soil	5
Spray Bottles	5

### Common Materials:

Measuring Cups	10
pH Paper, Pkg	1
Rubber Bands, Pkg	1
Soil	1





## Unit 4: Earth and Space Patterns

**Collaboration Kit Title:** Inspire Science, Grade 5, Collaboration Kit - Unit 4

**ISBN:** 0076876829

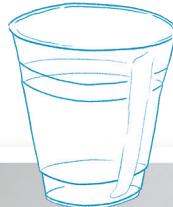
 **Collaboration Refill Kit Title:** Inspire Science, Grade 5 Collaboration Kit - Unit 3

**ISBN:** 0076900959

### Module: Earth's Patterns and Movement

#### Kit Components and Quantities:

Aluminum Pans	5
 Foam Balls, 1", Pkg.	1
 Foam Balls, 2", Pkg.	1
 Modeling Clay	1
Pan Balances	1
 Paper Cups	5
 Polystyrene Balls	1



### Module: Earth and Space

#### Kit Components and Quantities:

 Brass Fasteners, Pkg	1
 Modeling Clay	1
Penlights	5
 Plastic Cups	5
 Toothpicks, Pkg	1

#### Common Materials:

 Batteries, Pkg	2
Flashlights	5
 Graph Paper, Pkg	1
 Masking Tape	1
 String	1
Wood Dowel Rods, Pkg	2

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