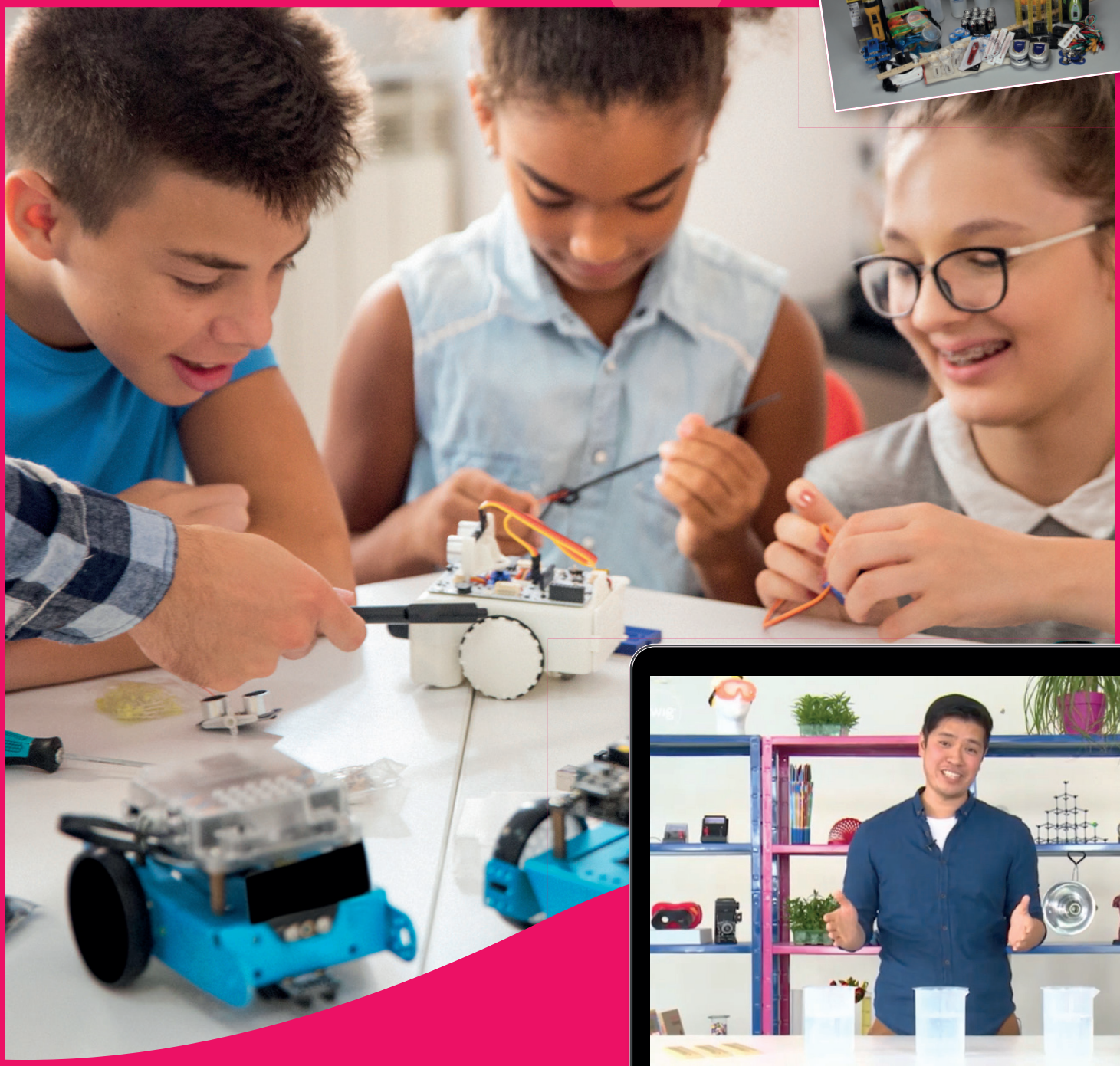
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Hands-On Science Kits and Video Labs







www.twigscience.com

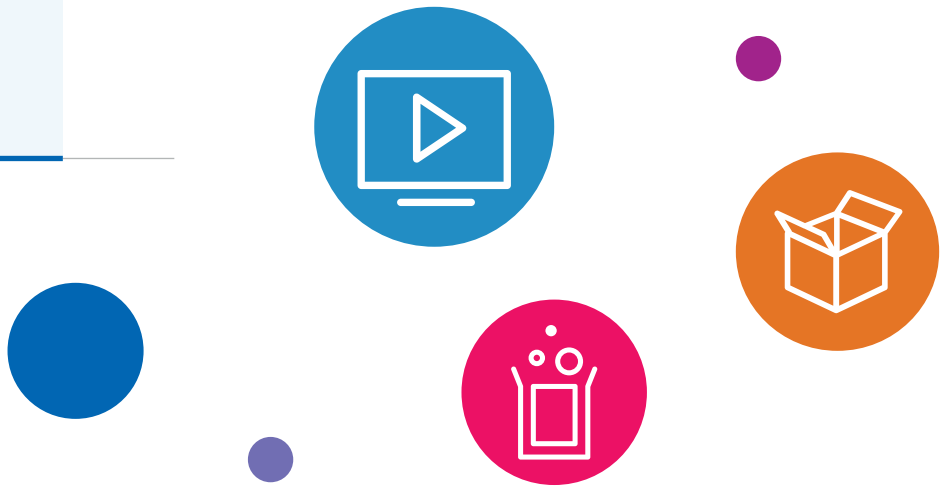


Welcome to

twig Science | NEXT GEN

Hands-On Science Kits and Video Labs

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Twig Distance Learning Video Labs

Hands-on investigation is central to the Twig Science Next Gen experience—and it's a crucial part of getting students engaged in science. The following pages include information about the contents of the lab kit for each Twig Science Next Gen module.

However, we know that at this time carrying out hands-on activities in the classroom isn't always possible. Twig Distance Learning's on-demand Video Labs allow students to take part in experiments from home —from testing mystery substances to designing a Dragon ride.

Video Labs can be used as an aid to enable students to view hands-on lab work they're unable to complete themselves, or they can also be used as a refresher. They're carefully designed to teach important standards as stepping stones on your child's path to STEM success at school and, much later, college and career.







Hands-On Science Kits

Hands-on activities are designed for collaborative group work and can be adapted to suit different group sizes, making efficient use of all kit materials, whatever your class size.

At every grade you'll find a grade essentials kit that includes all the basic tools you'll need to conduct your hands-on investigations, from hydrometers to safety goggles.

And for each module you'll find a module lab kit contained all of the consumable resources required in our range of hands-on activities.





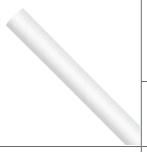




twig Science

GRADE Pre-K

ISBN: 978-1-83892-486-7

	Roll of string 1 ☐		Red food coloring 1 ☐		Heavy-duty gallon-sized plastic bags, pack of 28 1 ☐
	1 L plastic measuring cup 6 ☐		1 lb modeling clay 4 ☐		Mesh strainer 1 ☐
	Pack of rubber bands 1 ☐		Pack of alfalfa seeds 1 ☐		Paper plates, pack of 40 1 ☐
	Permanent marker 2 ☐		Roll of aluminum foil 1 ☐		Roll of bubble wrap 1 ☐
	Roll of masking tape 2 ☐		Sheet of green cardstock 1 ☐		Sheet of red cardstock 1 ☐
	Skein of red yarn 1 ☐		Spray bottle 1 ☐		Standard paper straws 26 ☐
	Wide paper straws 9 ☐		Cotton balls, pack of 100 1 ☐		Metal fasteners, pack of 100 1 ☐
	Pom-poms, pack of 100 2 ☐		Resealable plastic food bags, pack of 100 1 ☐		Sticky labels, pack of 100 1 ☐

twig Science

GRADE Pre-K

ISBN: 978-1-83892-486-7

	Balloons, pack of 15 1 ☐		Strong paper cups 15 ☐		Beakers 2 ☐
	Gallon of vegetable oil 2 ☐		Magnifying glass 2 ☐		Pair of non-latex surgical gloves 1 ☐
	Soft ball 2 ☐		Biodegradable plant pots 26 ☐		Craft feathers, pack of 30 1 ☐
	Cork pieces, pack of 30 1 ☐		Large rubber band 4 ☐		Table tennis ball 4 ☐
	Bag of sand 2 ☐		Plastic tubs 5 ☐		Transparent storage container 10 ☐
	Transparent storage container lid 10 ☐		Dice 6 ☐		Plastic funnel 6 ☐
	Building block 60 ☐		Effervescent tablets, pack of 72 1 ☐		Pack of adhesive putty 1 ☐
	Pack of assorted pebbles 1 ☐		Pack of biodegradable glitter 1 ☐		Sheet of cardboard 8 ☐

twig Science

GRADE Pre-K

ISBN: 978-1-83892-486-7

	Cardstock, pack of 40 1 ☐		Cotton cloth 1 ☐		Cotton fabric 8 ☐
	Craft paper, pack of 30 8 ☐		Glue 4 ☐		Inflatable globe 1 ☐
	Pack of petroleum jelly 3 ☐		Pipe cleaners, pack of 45 1 ☐		Roll of plastic wrap 1 ☐
	Pack of shells 1 ☐				

*This kit Includes the following items. All pictures shown are for illustration purposes only. Actual product may vary.

*Images © AquaPhoenix

Module 1 My Big Nature Adventure

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 1 box of non-latex gloves
- ❑ 16 magnifying glasses
- ❑ 1 pack of red construction paper
- ❑ 1 pack of green construction paper
- ❑ 18 sets of What Is a Plant? Cards
- ❑ 1 pack of radish seeds
- ❑ 2 bags of soil
- ❑ 5 plant pots
- ❑ 2 packs of blank index cards

ISBN: 978-1-78916-405-3

twigScience

GRADE K

Module 2 Marble Run Engineer

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 1 pack of paper straws
- ❑ 1 roll of string
- ❑ 15 large marbles
- ❑ 75 6oz paper cups
- ❑ 12 foam balls
- ❑ 7 Marble Run sets*

*Note: Each Marble Run set includes 24 marble track pieces and 6 marbles.

ISBN: 978-1-78916-406-0

Module 3 Be Prepared

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 80 large craft sticks
- ❑ 2 adhesive hook-and-loop fastener strips
- ❑ 1 pack of straws
- ❑ 50 sheets of black construction paper
- ❑ 50 sheets of white construction paper
- ❑ 2 rolls of plastic wrap
- ❑ 18 sets of Ground Temperature Cards
- ❑ 1 pack of color-changing UV beads
- ❑ 2 sticky note pads

Note: Non-latex gloves are included in the Lab Kit for Module 1, My Big Nature Adventure. Use these as needed for students with allergies or cuts on their hands.

ISBN: 978-1-78916-407-7

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GRADE K

Module 4 I Can

Lab Kit



Image © Carolina Biological Supply Company

- ❑ Large plastic container
- ❑ Small plastic container
- ❑ 1 bag of worm bedding
- ❑ 1 bag of sand
- ❑ 1 bag of pebbles
- ❑ 1 pack black construction paper
- ❑ 1 piece of cheesecloth
- ❑ 1 pack of rubber bands
- ❑ 14 foam trays

ISBN: 978-1-78916-408-4

Module 1 Museum of Leafology

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 13 magnifying glasses
- ❑ 13 pairs of tweezers
- ❑ 2 seed trays
- ❑ 1 bag of soil
- ❑ 1 pack of pea seeds
- ❑ 18 sets of Living and Non-Living Cards
- ❑ 2 boxes of paper clips
- ❑ 1 pack of basil seeds
- ❑ 1 pack of radish seeds
- ❑ 1 pack of squash seeds
- ❑ 1 pack of sunflower seeds
- ❑ 25 large paper cups
- ❑ 30 small paper cups
- ❑ 200 index cards
- ❑ 100 sheets of construction paper
- ❑ 60 sheets of card
- ❑ 4 packs of tissue paper
- ❑ 300 cotton balls
- ❑ 1 skein of yarn
- ❑ 90 craft sticks
- ❑ 100 pipe cleaners

ISBN: 978-1-78916-417-6

- ❑ 4 packs of felt
- ❑ 400 pom-poms
- ❑ 13 resealable plastic bags
- ❑ 2 packs of beads
- ❑ 1 roll of masking tape
- ❑ 1 roll of string
- ❑ 4 lb modeling clay
- ❑ 4 pieces of hook and loop fastener
- ❑ 52 paper bags
- ❑ 6 packs seeds for observing (basswood, cockle burr, maple, vetch, sedge, thistle)
- ❑ 1 box of non-latex gloves

Module 2 Animal Reporters

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 18 sets of Animal Cards
- ❑ 1 set of Parent and Young Cards
- ❑ 4 hex nuts
- ❑ 4 glass jars
- ❑ 3 packs of rubber bands (3 different sizes)
- ❑ 2 tuning forks (256 Hz frequency)
- ❑ 1 tuning fork (512 Hz frequency)
- ❑ 1 pack of balloons
- ❑ 1 roll of string
- ❑ 1 pack of tissue paper
- ❑ 1 roll of packing tape

ISBN: 978-1-78916-418-3

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GRADE 1

Module 3 Shadow Town

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 40 sheets of card stock
- ❑ 9 flashlights
- ❑ 1 roll of packing tape
- ❑ 1 roll of masking tape
- ❑ 90 craft sticks
- ❑ 7 cardboard boxes with lids
- ❑ 1 pack of cardboard
- ❑ 100 index cards
- ❑ 2 lb modeling clay
- ❑ 12 paper cups
- ❑ 1 set of differently colored toy counters
- ❑ 50 sheets of black construction paper
- ❑ 10 transparency sheets
- ❑ 1 roll of wax paper
- ❑ 15 small mirrors

ISBN: 978-1-78916-419-0

Module 4 Patterns in the Sky

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 50 sheets of construction paper
- ❑ 1 roll of string
- ❑ 50 sheets of yellow construction paper
- ❑ 50 sheets of gray construction paper
- ❑ 100 sheets of black construction paper
- ❑ 1 lb yellow modeling clay
- ❑ 30 craft sticks
- ❑ 8 small bags of crushed coral
- ❑ 13 sets of Rising and Setting Moon Card

Note: In this module you will also need to use 8 flashlights and 7 project boxes from the Lab Kit for Module 3, Shadow Town.

ISBN: 978-1-78916-420-6

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GRADE 2

Module 1 My Journey West

+ 3-D Team Challenge: The Spotlight

Lab Kit



Image © Carolina Biological Supply Company

The Spotlight:

- ❑ 1 set of Team Story Cards
- ❑ 1 pot of red paint
- ❑ 1 pot of green paint
- ❑ 3 flashlights with batteries
- ❑ 1 red, 1 green, and 1 blue gel filter
- ❑ 1 pack of rubber bands
- ❑ 3 packs of colored dot stickers

ISBN: 978-1-78916-429-9

My Journey West:

- ❑ 13 lb of modeling clay
- ❑ 1 box of toothpicks
- ❑ 30 foil trays
- ❑ 1 set of Landform Cards
- ❑ 18 sets of Map Matching Cards
- ❑ 30 plastic cups
- ❑ 1 inflatable globe
- ❑ 1 pack of sticky notes
- ❑ 2 ice cube trays
- ❑ 12 small plastic trays
- ❑ 16 resealable plastic bags

Module 2 Master of Materials

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 100 index cards
- ❑ 7 sponges
- ❑ 200 pipe cleaners
- ❑ 1000 craft sticks
- ❑ 1 roll of aluminum foil
- ❑ 1 pack of cotton balls
- ❑ 24 foam balls
- ❑ 1 pack of marbles
- ❑ 8 8oz measuring cups
- ❑ 8 plastic water bowls
- ❑ 1 roll of paper towels
- ❑ 1 roll of wax paper
- ❑ 100 washers
- ❑ 1 roll of plastic wrap
- ❑ 1 roll of string
- ❑ 2 packs of cardboard sheets
- ❑ 3 packs of 100 rubber bands
- ❑ 50 sheets of construction paper
- ❑ 6 16oz plastic containers
- ❑ 5 packs of crayons, assorted colors
- ❑ 5 crayon molds
- ❑ 250 wooden stirrers
- ❑ 500 centimeter cubes
- ❑ 90 small cardboard pieces
- ❑ 2 rolls of masking tape

ISBN: 978-1-78916-430-5

Module 3 Save the Island

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 18 sets of Erosion Cards
- ❑ 1 bottle with dropper
- ❑ 1 clear plastic tank
- ❑ 25 lb sand
- ❑ 20 foil trays
- ❑ Safety goggles
- ❑ 1 pack of straws
- ❑ 5 lb brown modeling clay
- ❑ 10 lb pebbles
- ❑ 1 box of toothpicks

ISBN: 978-1-78916-431-2

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GRADE 2

Module 4 A Garden for Life

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 1 packet of pea seeds
- ❑ 2 24-cell seed trays
- ❑ 1 bag of potting soil
- ❑ 30 10oz clear plastic cups
- ❑ 2 packs of red pony beads
- ❑ 1 pack of yellow pony beads
- ❑ 2 packs of small multicolored beads
- ❑ 1 roll of masking tape
- ❑ 1 pack of sticky notes, assorted colors
- ❑ 1 roll of string
- ❑ Adhesive hook-and-loop strips (12 hook strips and 4 loop strips)
- ❑ 2 packs of felt, assorted colors
- ❑ 16 resealable plastic bags
- ❑ 250 craft sticks
- ❑ 100 red pom-poms
- ❑ 100 yellow pom-poms
- ❑ 1 pack of red tissue paper
- ❑ 1 pack of yellow tissue paper
- ❑ 1 pack of green tissue paper
- ❑ 200 pipe cleaners, assorted colors
- ❑ 1 pack of paper straws
- ❑ 1 pack of cotton balls
- ❑ 15 plastic plates

ISBN: 978-1-78916-432-9

Grade 3 Science Essentials Kit



Image © Carolina Biological Supply Company

	Used in Module...			
	1	2	3	4
❑ 1 utility knife	✔	✔	✔	
❑ 8 meter sticks	✔			
❑ 30 pairs of safety goggles (student size)		✔	✔	✔
❑ 1 pair of safety goggles (adult size)		✔	✔	✔
❑ 1 plant light house		✔	✔	

ISBN: 978-1-78916-441-1

❑ **8 ¼ cup measuring cups**		✔*	✔	
❑ **1 inflatable globe**			✔	✔
❑ **3 thermometers**				✔
❑ **3 1000 mL beakers**				✔

* Only 1 cup is required in Module 2

Module 1 The Ultimate Playground

+ 3-D Team Challenge: The Pet Problem

Lab Kit



Image © Carolina Biological Supply Company

The Pet Problem:

- ❑ 9 sets of Materials Cards
- ❑ 3 packs of colored dot stickers
- ❑ 8 pieces of wool fabric
- ❑ 8 pieces of nylon fabric
- ❑ 8 cotton balls
- ❑ 1 roll of plastic wrap
- ❑ 8 pipettes
- ❑ 8 plastic bowls

The Ultimate Playground:

- ❑ 1 roll of masking tape
- ❑ 2lb modeling clay
- ❑ 1 jump rope
- ❑ 1 roll of string
- ❑ 10 loaf pans
- ❑ 50 craft sticks with holes at each end
- ❑ 100 index cards
- ❑ 150 small steel washers
- ❑ 15 large steel washers

ISBN: 978-1-78916-442-8

- ❑ 12 balloons
- ❑ 1 piece of wool fabric
- ❑ 2 ping pong balls
- ❑ 64 ring magnets
- ❑ 30 bar magnets
- ❑ 18 sealed plastic cases of iron filings
- ❑ 16 zinc washers
- ❑ 9 rubber washers
- ❑ 100 paper clips
- ❑ 15 clear plastic trays
- ❑ 300 cotton balls
- ❑ 500 cotton swabs

Module 2 Welcome to the Biodome

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 18 sets of Eggs and Parents Cards
- ❑ 300 index cards
- ❑ 1 voucher for 33 painted lady butterfly larvae and food
- ❑ 1 butterfly cage
- ❑ 33 culture vessels with lids
- ❑ 33 pieces of filter paper
- ❑ 5 brushes
- ❑ 5 spoons
- ❑ 15 magnifying glasses
- ❑ 15 pairs of plastic forceps

ISBN: 978-1-78916-443-5

- ❑ 1 bag of lima bean seeds
- ❑ 1 pack of Wisconsin Fast Plants® seeds, Purple Stem, Hairy variety
- ❑ 1 pack of Wisconsin Fast Plants® seeds, Standard variety
- ❑ 8 large plastic containers
- ❑ 8 small plastic containers
- ❑ 1 L potting soil
- ❑ 10 cotton wicks
- ❑ 1 oz bag of fertilizer pellets
- ❑ 16 plant labels
- ❑ 8 3 mL pipettes
- ❑ 2 anti-algal squares
- ❑ 1 pack of plant stakes
- ❑ 1 pack of plant support rings
- ❑ 1 box of adult-size non-latex gloves
- ❑ 1 box of student-size non-latex gloves
- ❑ 12 pollination wands
- ❑ 1 pack of sticky note pads
- ❑ 30 sticky labels

Module 3 How to Survive an Ice Age

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 64 paper envelopes
- ❑ 8 resealable plastic bags
- ❑ 9 sets of Organisms and Environments Cards
- ❑ 2 L Wisconsin Fast Plants® Potting Mix
- ❑ 1 bag of sand
- ❑ 4 anti-algal squares
- ❑ 8 small plastic containers
- ❑ 8 large plastic containers
- ❑ 16 cotton wicks
- ❑ 1 oz bag Wisconsin Fast Plants® Fertilizer
- ❑ 1 roll of masking tape
- ❑ 2 boxes of non-latex gloves
- ❑ 16 foam trays

ISBN: 978-1-78916-444-2

Note: At the beginning of this module, students will collect seeds from the plants grown in Module 2. Students will plant the collected seeds using items from this kit, along with the following items, which should be re-used from the Module 2 Lab Kit.

- ❑ **8 small plastic containers**
- ❑ **8 large plastic containers**
- ❑ **16 plant labels**
- ❑ **8 3 mL pipettes**
- ❑ **16 plant stakes**
- ❑ **16 plant support rings**

Module 4 Weather Warning HQ

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 1 bottle of blue dye
- ❑ 1 bottle of red dye
- ❑ 1 sticky note pad
- ❑ 9 sets of Climate Cards

ISBN: 978-1-78916-445-9

Grade 4 Science Essentials Kit



	Used in Module...				
	1	2	3	4	5
❑ 10 meter sticks	✔			✔	
❑ 30 pairs of safety goggles (student size)	✔	✔	✔	✔	✔
❑ 1 pair of safety goggles (adult size)	✔	✔	✔	✔	✔
❑ 1 stopwatch	✔	✔		✔	✔
❑ 1 pair of wire cutters		✔			
❑ 25-foot length of electrical wire		✔			
❑ 15 DC motors		✔			

ISBN: 978-1-78916-454-1

❑ 1 DC voltmeter		✔			
❑ 6 electrical wires with alligator clips		✔			
❑ 10 alligator clips		✔			
❑ 8 500 mL measuring beakers			✔		
❑ 16 magnifying glasses					✔
❑ 8 tuning forks					✔
❑ 8 plastic spring toys					✔

Module 1 Egg Racers

+ 3-D Team Challenge: Catapult Challenge

Lab Kit



Image © Carolina Biological Supply Company

Catapult Challenge:

- ❑ 1 set of Forces Matching Cards
- ❑ 1 pack of small plastic cups
- ❑ 1 pack of small rubber bands
- ❑ 2 packs of large rubber bands
- ❑ 1 pack of 250 craft sticks
- ❑ 2 rolls of string
- ❑ 1 pack of plastic spoons
- ❑ 3 packs colored dot stickers

Egg Racers:

- ❑ 2 packs of cardboard sheets
- ❑ 1 pack of wooden skewers
- ❑ 1 glue gun
- ❑ 1 pack of glue sticks
- ❑ 4 foam boards
- ❑ 2 toy cars
- ❑ 2 tambourines
- ❑ 2 light-up yo-yos
- ❑ 24 balloons
- ❑ 2 balloon pumps
- ❑ 1 pack of large rubber bands
- ❑ 1 pack of small wooden sticks
- ❑ 30 table tennis balls
- ❑ 1 pack of cotton balls
- ❑ 1 pack of bubble wrap
- ❑ 1 roll of masking tape (also used in the Catapult Challenge)

ISBN: 978-1-78916-455-8

Module 2 Sparks Energy, Inc.

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 1 large resealable plastic bag
- ❑ 16 plastic containers
- ❑ 4 sheets of black construction paper
- ❑ 4 sheets of white construction paper
- ❑ 1 roll of aluminum foil
- ❑ 8 50 mL measuring beakers
- ❑ 1 roll of electrical tape
- ❑ 16 D-cell batteries
- ❑ 20 1.5 V mini light bulbs
- ❑ 1 roll of masking tape
- ❑ 25 corks
- ❑ 1 box of paper clips
- ❑ 2 packs of card stock
- ❑ 1 pack of rubber bands
- ❑ 2 mini light bulb holders

ISBN: 978-1-78916-456-5

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GRADE 4

Module 3 Time-Traveling Tour Guides

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 48 small (6 × 9-inch) plastic bags
- ❑ 15 sets of Fossil Cards
- ❑ 20 clear plastic cups
- ❑ 6 lb black sand
- ❑ 6 lb red sand
- ❑ 6 lb green sand
- ❑ 10 large foil trays
- ❑ 60 lb sand
- ❑ 8 plastic funnels
- ❑ 3 packs of coffee filter papers
- ❑ 8 scrapers
- ❑ 8 large trash bags
- ❑ 10 lb modeling clay
- ❑ 5 lb gravel
- ❑ 1 pack of bendable drinking straws
- ❑ 100 index cards
- ❑ 2 packs of plastic spoons
- ❑ 1 pack of straight drinking straws
- ❑ 8 pieces of mesh
- ❑ 1 pack of wooden sticks
- ❑ 1 pack of cotton balls
- ❑ 12 large (9 × 12-inch) resealable plastic bags

ISBN: 978-1-78916-457-2

Module 4 Earthquake Engineering

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 10 jump ropes
- ❑ 400 pipe cleaners
- ❑ 32 resealable plastic bags
- ❑ 5 lb sand
- ❑ 7 lb modeling clay
- ❑ 1 ball of string
- ❑ 1 pack of straws
- ❑ 1000 craft sticks
- ❑ 90 cardboard pieces
- ❑ 1 roll of aluminum foil
- ❑ 100 foam sheets
- ❑ 250 toothpicks
- ❑ 200 paper clips
- ❑ 1 roll of masking tape

ISBN: 978-1-78916-458-9

Module 5 Super Survivors

Lab Kit



Image © Carolina Biological Supply Company

- ❑ 8 narrow jars
- ❑ 1 scalpel
- ❑ 15 paper plates
- ❑ 1 box of toothpicks
- ❑ 1 pack of straws
- ❑ 1 nutcracker
- ❑ 1 pair of plastic tweezers
- ❑ 1 small strainer
- ❑ 1 pair of chopsticks
- ❑ 1 pipette
- ❑ 1 small measuring cup
- ❑ 1 pair of pliers
- ❑ 1 roll of string
- ❑ 1 bag of sand
- ❑ 1 pack of corks
- ❑ 8 sponges
- ❑ 2 lb modeling clay
- ❑ 8 pieces of cardboard
- ❑ 1 pack of construction paper
- ❑ 4 pieces of faux fur

ISBN: 978-1-78916-459-6

- ❑ 5 pieces of green felt
- ❑ 16 brown paper bags
- ❑ 1 pack of cotton balls
- ❑ 1 pack of feathers
- ❑ 1 roll of aluminum foil
- ❑ 5 pieces of sandpaper
- ❑ 3 sets of scent jars (6 different scents)
- ❑ 15 flexible plastic tubes
- ❑ 2 packs of brown pom-poms
- ❑ 8 penlights
- ❑ 15 small mirrors
- ❑ 30 wooden sticks
- ❑ 1 pack of plastic whistles
- ❑ 1 pack of transparency sheets



Grade 5 Science Essentials Kit



Image © Carolina Biological Supply Company

	Used in Module...			
	1	2	3	4
❑ 10 mini light bulbs	✔			
❑ 8 bulb holders	✔			
❑ 16 D-cell batteries	✔			
❑ 8 battery holders	✔			
❑ 4 scales (500-gram capacity)	✔	✔		

ISBN: 978-1-78916-469-5

❑ 2 scales (100-gram capacity)	✔			
❑ 10 electrical wires with alligator clips	✔			
❑ 2 ceramic magnets	✔			
❑ 8 plastic spray bottles	✔	✔	✔	
❑ 1 hot plate	✔			
❑ 1 heatproof mat	✔			
❑ 1 pair of heatproof gloves	✔			
❑ 8 sets of measuring spoons	✔		✔	
❑ 30 pairs of safety goggles (student size)	✔			
❑ 1 pair of safety goggles (adult size)	✔			
❑ 8 100 mL graduated cylinders	✔*		✔	
❑ 1 meter stick	✔			✔
❑ 8 magnifying glasses		✔**	✔	
❑ 1 utility knife		✔		
❑ 1 inflatable globe			✔	✔
❑ 1 1000 mL graduated cylinder			✔	
❑ 1 eye dropper			✔	
❑ 8 soil moisture meters			✔	
❑ 8 hydrometers			✔	
❑ 8 thermometers			✔	
❑ 8 bowls	✔		✔	
❑ 8 magnetic compasses				✔
❑ 1 flashlight				✔
❑ 1 protractor				✔
❑ 1 level				✔

*Only 2 cylinders are required in Module 1

**Only 5 magnifying glasses are required in Module 2

Module 1 Matter Mysteries Hotline

+ 3-D Team Challenge: Haunted House

Lab Kit



Image © Carolina Biological Supply Company

Haunted House:

- ❑ 9 sets of Energy Cards
- ❑ 9 sets of Energy Evidence Cards
- ❑ 3 packs of colored dot stickers
- ❑ 16 lengths of insulated copper wire
- ❑ 16 lengths of plastic wire

Matter Mysteries Hotline:

- ❑ 1 pack of A–E stickers for labeling
- ❑ 8 pieces of safety glass
- ❑ 8 pieces of metal
- ❑ 8 pieces of plastic
- ❑ 8 small circuit boards
- ❑ 8 pieces of wood
- ❑ 8 12×15-inch resealable plastic bags
- ❑ 8 evidence labels
- ❑ 1 pack of foam sheets
- ❑ 8 pieces nylon fabric
- ❑ 1 pack of foam boards
- ❑ 1 roll of aluminum foil
- ❑ 8 pieces of neoprene rubber
- ❑ 8 tinted gel filters

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- ❑ 1 bottle of iodine with dropper
- ❑ 100 plastic teaspoons
- ❑ 250 craft sticks
- ❑ 450 3oz paper cups
- ❑ 45 7oz plastic cups
- ❑ 20 4oz clear plastic cups
- ❑ 20 24oz clear plastic cups
- ❑ 8 plastic containers
- ❑ 1 box of non-latex gloves
- ❑ 5 packs of 50 beads (red, orange, yellow, green, and blue)
- ❑ 250 brown beads
- ❑ 48 antacid tablets
- ❑ 1 container anhydrous citric acid
- ❑ 32 4×6-inch resealable plastic bags
- ❑ 100 index cards
- ❑ 1 roll of masking tape
- ❑ 1 roll of parchment paper
- ❑ 5 lb bag of sand
- ❑ 15 pinwheels
- ❑ 48 balloons
- ❑ 16 brown paper bags
- ❑ 1 pack of straws
- ❑ 300 cotton balls
- ❑ 5 packs of 100 pom-poms (blue, white, red, yellow and black)
- ❑ 4 foam sponges
- ❑ 2lb modeling clay
- ❑ 50 sheets of construction paper
- ❑ 1 pack of ¾-inch colored dot stickers
- ❑ 1 pack of ¼-inch colored dot stickers



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GRADE 5

Module 2 Yellowstone: Uncovered

Lab Kit



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- ❑ 2 bags of potting soil
- ❑ 1 roll of plastic wrap
- ❑ 1 roll of masking tape
- ❑ 1 pack of Alaska pea seeds
- ❑ 30 plant pots
- ❑ 16 plant stakes
- ❑ 1 pack of plant rings
- ❑ 50 6oz paper cups
- ❑ 1 box of non-latex gloves
- ❑ 1 set of Food Chain Stickers
- ❑ 1 set of Food Web Cards
- ❑ 2 rolls of string
- ❑ 1 hole punch
- ❑ 1 roll of duct tape
- ❑ 5 resealable plastic bags

ISBN: 978-1-78916-471-8

Module 3 H2O Response Team

Lab Kit



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- ❑ 1 set of 30 Organism Cards
- ❑ 2 rolls of masking tape
- ❑ 4 4oz plastic cups
- ❑ 1 bottle of blue dye
- ❑ 1 roll of aluminum foil
- ❑ 8 white plastic trash bags
- ❑ 4 bottles of red dye
- ❑ 60 3oz paper cups
- ❑ 8 24oz plastic cups
- ❑ 8 small strainers
- ❑ 16 16oz plastic containers
- ❑ 250 stirrers
- ❑ 8 small glass jars
- ❑ 1 pack of straws
- ❑ 1 roll of plastic wrap
- ❑ 1 bag of vermiculite
- ❑ 2 bags of charcoal
- ❑ 25 pipe cleaners
- ❑ 1 bag of sand
- ❑ 1 bag of gravel
- ❑ 300 cotton balls
- ❑ 250 toothpicks
- ❑ 1 pack of gauze pads

ISBN: 978-1-78916-472-5

Module 4 Galactic Guidebook

Lab Kit



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- ❑ 1 plunger
- ❑ 1 tape measure
- ❑ 1 roll of masking tape
- ❑ 1 pack of chalk
- ❑ 1 set of 30 Star Cards
- ❑ 4 light-up orbs
- ❑ 8 cardboard sheets
- ❑ 8 lengths of black thread
- ❑ 1 pack of yellow beads
- ❑ 10 steel washers
- ❑ 1 sticky note pad
- ❑ 1 pencil compass
- ❑ 1 paper plate
- ❑ 1 tennis ball
- ❑ 1 roll of string

ISBN: 978-1-78916-473-2

Grade 6 Science Essentials Kit



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	Used in Module...			
	1	2	3	4
❑ 4 plastic spray bottles	✔			
❑ 8 small buckets	✔*	✔		
❑ 8 flashlights with batteries		✔		
❑ 2 scales		✔		✔****

ISBN: 978-1-78916-482-4

❑ **16 thermometers**		✔		
❑ **16 stopwatches**		✔		
❑ **8 8oz plastic measuring cups**		✔		
❑ **25 16oz plastic containers**		✔		✔
❑ **1 utility knife**		✔		
❑ **6 digital thermometers**		✔		✔**
❑ **8 heat lamps with bulbs**		✔		✔***
❑ **32 pairs of dissecting forceps**			✔	
❑ **30 magnifying glasses**			✔	
❑ **1 scalpel**			✔	
❑ **30 pairs of safety goggles (student size)**				✔
❑ **1 pair of safety goggles (adult size)**				✔

*Only 5 small buckets are required in Module 1.
**Only 2 digital thermometers are required in Module 4.
***Only 2 heat lamps are required in Module 4.
****Only 1 scale is required in Module 4.

Module 1 BioTech Systems Worldwide

+ 3-D Team Challenge: What's In the Box?

Lab Kit



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What's In the Box?:

- ❑ 1 set of Icebreaker Matching Cards
- ❑ 9 cardboard boxes
- ❑ 8 cardboard sheets
- ❑ 16 cardboard tubes
- ❑ 32 marbles
- ❑ 1 pack of metal washers
- ❑ 1 pack of polystyrene balls
- ❑ 3 packs of colored dot stickers

BioTech Systems Worldwide:

- ❑ 3 rolls of masking tape
- ❑ 1 pack of multicolored beads
- ❑ 10 small envelopes
- ❑ 16 regular envelopes
- ❑ 16 brown paper bags
- ❑ 10 biodegradable bags
- ❑ 30 write-on labels
- ❑ 4 food colorings

ISBN: 978-1-78916-483-1

- ❑ 1 sponge
- ❑ 3 rolls of string
- ❑ 100 index cards
- ❑ 40 coffee filters
- ❑ 2 rolls of duct tape
- ❑ 12 balloons
- ❑ 3 lengths of plastic tubing (⅛", ¼", and ½" diameters)
- ❑ 200 rubber bands
- ❑ 9 sets of Living vs Non-Living Cards
- ❑ 16 cardboard sheets
- ❑ 200 straws
- ❑ 200 paper clips
- ❑ 2 lb modeling clay
- ❑ 250 regular craft sticks
- ❑ 160 jumbo craft sticks
- ❑ 140 twist ties
- ❑ 80 chopsticks

Module 2 Destination Everywhere!

Lab Kit



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- ❑ 1 pack of graph paper
- ❑ 8 cardboard sheets
- ❑ 1 pack of pony beads
- ❑ 24 clear plastic 8oz jars
- ❑ 2 5lb bags of sand
- ❑ 30 10oz plastic cups
- ❑ 1 box of safety matches
- ❑ 1 pack of balloons
- ❑ 1 bottle of blue food coloring
- ❑ 1 bottle of red food coloring
- ❑ 16 resealable plastic bags
- ❑ 15 rubber bands
- ❑ 1 pack of tissue paper
- ❑ 1 roll of duct tape

ISBN: 978-1-78916-484-8

- ❑ 16 acetate sheets
- ❑ 6 cardboard boxes
- ❑ 2lb brown modeling clay
- ❑ 2 packs of foam pads
- ❑ 2 packs of polystyrene pads
- ❑ 2 packs of bubble wrap
- ❑ 1 roll of aluminum foil
- ❑ 8lb of red clay
- ❑ 5 packs of small corks
- ❑ 1 clear plastic tank
- ❑ 1 compass

Module 3 The Red List

Lab Kit



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- ❑ 30 paper plates
- ❑ 1 box of toothpicks
- ❑ 1 box of non-latex gloves
- ❑ 1 pack of opaque blue pony beads
- ❑ 1 pack of translucent blue pony beads
- ❑ 1 pack of opaque red pony beads
- ❑ 1 pack of translucent red pony beads
- ❑ 1 pack of opaque green pony beads
- ❑ 1 pack of translucent green pony beads
- ❑ 1 pack of opaque yellow pony beads
- ❑ 1 pack of translucent yellow pony beads
- ❑ 2 packs of red tissue paper
- ❑ 2 packs of yellow tissue paper
- ❑ 250 craft sticks
- ❑ 200 pipe cleaners
- ❑ 8 sets of Endangered Species Cards

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Module 4 Cities of the Future

Lab Kit



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- ❑ 1 box of non-latex gloves
- ❑ 2 packs of 100 index cards
- ❑ LaMotte® TesTab® Phosphate Kit + additional color chart cards
- ❑ 40 plastic test tubes
- ❑ 1 pack of pipettes
- ❑ 200 mL distilled water
- ❑ 4 water samples with various phosphate levels
- ❑ 1 set of A–E labels
- ❑ 1 roll of plastic wrap
- ❑ 9 sets of Greenhouse Gas Cards
- ❑ 16 resealable plastic bags
- ❑ 4 lb modeling clay
- ❑ 1 bottle of blue food dye

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