



SOUTHERN
SCIENCE
SUPPLY



PRODUCT CATALOG 2019
southernsciencesupply.com

ABOUT SOUTHERN SCIENCE SUPPLY



Founder, Southern Science Supply
Carol Espensen

Welcome to Southern Science Supply, a leader in providing hand-held digital microscopes to students of all ages, hobbyists, and teachers.

Southern Science Supply is owned and operated by Carol Espensen, a 30 year veteran of teaching in Texas. Carol understands the benefits of hands-on science instruction. She is passionate about fanning the spark of scientific inquiry in students from 4 to 94. Carol travels across the country supporting teachers, labs, research centers, museums, and families as they connect with science in fun and meaningful ways.

Many of the microscopes are used by students, teachers, scientists, and hobbyists around the world. The MicroSight is used in criminal investigations, doctors' offices, NASA, and even television shows. Exploring with real scientific tools not only gives lifelong learners a deeper level of understanding of the content, but also increases problem solving and critical thinking skills while making real world connections.



THE STORY OF ED, THE SOUTHERN SCIENCE SUPPLY FROG



Growing up in rural San Antonio, I was surrounded by acres and acres to explore. Butterflies emerging, walking sticks, birds, snakes, and more greeted me daily. My love of the outdoors and discovery began at an early age.

When visiting family in Louisiana, I had new habitats to explore. I have fond memories of my grandfather, "Poppy," as I called him, walking me down to the bayou. He always told animated stories; one of my favorites follows.

As we walked down to the bayou, he would say, "Do you hear that little bitty frog?" Then in a high pitched voice he'd say, "toe deep, toe deep?" I'd nod, yes. "What about that one?" he'd ask. Then in a slightly lower voice he'd say, "ankle-deep, ankle-deep." In a still lower voice he'd point and say, "That's 'knee deep, knee deep' over there." And in the lowest voice possible he'd croak, "belly deep, belly deep" and then tell me about the biggest frog in the bayou. I'd giggle. And with that, my fascination with frogs began. My imaginary friend "Ed" was born, affectionately named after my grandfather. And, now, too, for "EDucation!"

So, how did I end up here? I began teaching in 1978 and retired in 2013. Always passionate about putting science in the hands of students, Southern Science Supply was founded in 2012, and naturally, Ed came along for the ride. Today, he has lots of friends all over the USA.

Carol



OPEN YOUR EYES. OPEN YOUR WORLD.

Southern Science Supply Digital Microscopes
Pictured: ProScope Mobile Microscope

MICROSIGHT 1.3MP 10-200X (USB)



- Includes 5 focal tips (15x, 30x, 50x, 150x, 100x/200x)
- Variable focus from 10x-200x
- 5 year warranty
- Capture images, movies, time lapse photography
- Draw, label, or measure on any captured image
- Software for Mac/PC computers included
- Compatible with Chromebook as an external camera



The MicroSight 1.3MP is perfect for focusing on everyday details of life. Great for ages 4 to 94.

MICROSIGHT 1.3MP 500X (USB)



- Fixed focus at 500x
- Perfect for prepared slides and water samples
- 5 year warranty
- Capture images, movies, time lapse photography
- Draw, label, or measure on any captured image
- Software for Mac/PC computers included
- Compatible with Chromebook as an external camera

MICROSIGHT 5MP 10-200X (USB)



- Includes 4 focal tips (15x, 30x, 50x, 100x/200x)
- Variable focus from 10x-200x
- 5 year warranty
- Capture images, movies, time lapse photography
- Draw, label, or measure on any captured image
- Software for Mac/PC computers included
- Compatible with Chromebook as an external camera

The MicroSight 5MP, with its higher resolution, allows for cropping, enlarging, and publishing photos.



MICROSIGHT 5MP 500X (USB)



- Fixed focus at 500x
- Perfect for prepared slides and water samples
- 5 year warranty
- Capture images, movies, time lapse photography
- Draw, label, or measure on any captured image
- Software for Mac/PC computers included
- Compatible with Chromebook as an external camera



AMAZING LEARNING EXPERIENCE.

Southern Science Supply Digital Microscopes

Pictured: MicroZoom 1.3MP WiFi/USB Microscope with Z Stand

MICROZOOM 2MP 10-200X (USB)

- Includes 4 focal tips (20x, 40x, 60x/200x, 80x/150x)
- Variable focus from 10x-200x
- 2 year warranty
- Capture images, movies, time lapse photography
- Draw, label, or measure on any captured image
- Software for Mac/PC computers included
- Compatible with Chromebook as an external camera



The MicroZoom is a durable and economical way to explore the world.



MICROZOOM 1.3MP 10-200X (WIFI/USB)

- Includes 4 focal tips (20x, 40x, 60x/200x, 80x/150x)
- Can be used through WiFi or USB connections
- Variable focus from 10x-200x
- 2 year warranty
- Capture images, movies
- Software for Mac/PC computers included
- Compatible with Chromebook as an external camera



BEST SELLER - 1.3MP 10X-200X MICROSIGHT EXPLORER KIT



- Includes 1.3MP MicroSight Microscope with 5 focal tips (15x, 30x, 50x, 150x, 100x/200x)
- Sturdy metal Z Stand
- LiveSlide® microscope slide, best for viewing microorganisms (1)
- Protists: Pond Microlife Student Learning Guide
- Fun sampler set
- 6pc container and pipette set
- Medium soft case
- 5 year warranty
- Software for Mac/PC computers included

BEST SELLER - 2MP 10X-200X MICROZOOM EXPLORER KIT



- Includes 2MP MicroZoom USB Microscope with 4 focal tips (20x, 40x, 60x/200x, 80x/150x)
- Sturdy metal Z Stand
- LiveSlide® microscope slide, best for viewing microorganisms (1)
- Protists: Pond Microlife Student Learning Guide
- Fun sampler set
- 6pc container and pipette set
- Medium soft case
- 2 year warranty
- Software for Mac/PC computers included

BEST SELLER - 1.3MP MICROSIGHT ADVANCED KIT



- Includes 1.3MP MicroSight Microscope with 5 focal tips (15x, 30x, 50x, 150x, 100x/200x)
- 1.3MP Microscope fixed at 500x magnification
- Backlit LED XYZ Stand
- LiveSlide® microscope slide, best for viewing microorganisms (3)
- Protists: Pond Microlife Student Learning Guide
- Fun sampler set
- 10pc container and pipette set
- Large soft case
- 5 year warranty
- Software for Mac/PC computers included

BEST SELLER - 1.3MP MICROZOOM WIFI/USB EXPLORER KIT



- Includes 1.3MP MicroZoom WiFi/USB Microscope with 4 focal tips (20x, 40x, 60x/200x, 80x/150x)
- Sturdy metal Z Stand
- LiveSlide® microscope slide, best for viewing microorganisms (1)
- Protists: Pond Microlife Student Learning Guide
- Fun sampler set
- 6pc container and pipette set
- Medium soft case
- 2 year warranty
- Software for Mac/PC computers included

INTERACTIVE SPECIMEN OBSERVATION KITS

For lifelong learners, a digital microscope opens up a world of possibilities to build creativity and curiosity as well as engage and excite minds of all ages. Digital microscopes are easy to use with tablets and computers and are a cost effective way to see what is virtually imperceptible to the naked eye.

These are just some of the reasons why Southern Science Supply's collection of high-quality, durable digital microscopes are an essential tool in schools and homes across the country.

To accentuate opportunities for learning, Southern Science Supply has created an assortment of nearly a dozen specimen kits guaranteed to engage and excite. Each kit is designed for a specific age group and may include the following:

- Unique, interesting, and authentic specimens are the focus of the themed interactive kits.
- The STEAM Interactive Activity Books feature hands-on learning opportunities for students including discovery, compare and contrast, Venn diagrams, language arts, and art activities while working comfortably within the specific subject matter. A printed STEAM Interactive Activity Book is included with our four most popular kits.
- Every kit includes a Resource Guide which provides background information on the individual specimens, lesson ideas, and factual information, and has been developed specifically for the adult, teacher, or lesson provider. These guides are available in PDF format and are easily downloaded using an exclusive link included in each kit.



INTERACTIVE SPECIMEN OBSERVATION KITS

The following descriptions highlight the 11 interactive kits which complement the experience learners receive when using our digital microscopes.

AMAZING ANIMAL COVERINGS:

SEE WHAT ANIMALS WEAR

- 15 amazing animal coverings
- 16pg STEAM Interactive Activity Book
- Resource Guide

ASTOUNDING OWLS:

SEE WHAT OWLS EAT

- 2 owl pellets, hand lens, probes
- Forceps, ruler, bone chart, poster
- 16pg STEAM Interactive Activity Book
- Complete owl food chain activity
- Resource Guide

FORENSICS - FINGERPRINTS & FIBERS:

BE A CSI SUPER SLEUTH

- 21 fibers & fabrics, burn test supplies, fingerprint ink pad, cards, facts
- 2 Real Curriculum books, *Fingerprint Detective & Look At My Threads*
- Resource Guide

INCREDIBLE INSECTS:

SEE WHAT THE BUZZ IS ALL ABOUT

- 12+ incredible insects, forceps
- 16pg STEAM Interactive Activity Book
- Professor Noggin's Insects & Spiders card game
- Resource Guide

MYSTICAL MARINE SPECIMENS:

SEE WHAT'S IN THE SEA

- 18+ mystical marine specimens
- 16pg STEAM Interactive Activity Book
- Professor Noggin's Life in the Ocean card game
- Resource Guide

TOTALLY TEXTURES:

SEE WHAT YOUR FINGERS FEEL

- 23 tantalizing textures
- Resource Guide

SEEDS THAT TRAVEL:

POPPERS, FLOATERS, WHIRLIGIGS & MORE

- 9 seeds that travel
- 6 seeds that don't travel
- Lima beans to dissect and plant
- 5 Real Curriculum books, *How Plants Grow, Starting With Seeds, More Than a Pretty Face, Solar Powered Plants, & Different Environment - Different Plants*
- Resource Guide

SURPRISING SPICES:

SEE WHAT YOUR TONGUE TASTES

- 19 surprising whole spices
- 35 illustrated botanical cards
- Resource Guide

WELCOME TO BUGWORLD:

MEET MICROBUGS AND WASPS

- 5 protists (Amoeba, Blepharisma, Euglena, Paramecium, & Stentor)
- Nasonia wasp pupae
- LiveSlides, petri dishes, concavity slides, pipettes, coverslips
- Resource Guide

MEGA BOX OF FUN: A COLOSSAL COLLECTION

- 60+ unique specimens from most kits
- Resource Guide



Basic Slide Kit

- 12 plain glass slides
- 2 single well concavity slides
- 100 glass coverslips
- Plastic slide box for 25 slides



Intermediate Slide Kit

- 12 plain glass slides
- 2 single well concavity slides
- 100 cover slips
- 2 disposable pipets
- 1 plastic slide storage box for 25 slides
- 1-30mL bottle of Eosyn Y
- 1-15mL bottle of Methylene Blue



Advanced Slide Kit

- 12 plain glass slides
- 2 single well concavity slides
- 100 cover slips
- 2 disposable pipets
- 1 plastic slide storage box for 25 slides
- 100 sheets cleaning paper
- 1-4.5" stainless steel coverslip forcep
- 1-30mL bottle of Eosyn Y
- 1-15mL bottle of Methylene Blue

This sturdy microscope **Z stand** makes using the hand held microscope easy for everyone. Place the microscope into the stand and easily grade coins and stamps, solder electronics, inspect textiles, or enjoy specimens from nature...all hands free.



This sturdy **LED XYZ backlit stand** brings the traditional world to the digital world. The backlit light allows light to pass through prepared slides and water samples with ease. Adjust the intensity of the light on the stand as well as on any of our microscopes themselves. The LED XYZ stand allows for movement in three directions for easy focusing and movement of prepared slides and specimens. Battery or USB powered.



Stand and deliver! That's what this flexible **Gooseneck stand** does. It's 14 inches tall and has a heavy base and a 14 inch flexible arm with a universal swivel mount. Position any MicroSight or MicroZoom digital microscope in any orientation for optimal sample viewing.



New for 2019! Designed by a science teacher for educators, biological labs, research labs, medical labs and environmental testing, the LiveSlide® is proving to have additional applications in the expansive world of science and microscopy. Never before has it been so easy to observe microorganisms, including bacteria, fungi and protists.

The LiveSlide® was created to improve the traditional and digital microscope experience when examining microorganisms of all types. The exceptional performance of the LiveSlide® offers higher magnification clarity, convenience, ease of handling and a uniform viewing well beyond what has been available in the microscopy world.



Latest examples of LiveSlide® microscope observations (40x-200x)



LiveSlide® microscope slide features and benefits:

- Uniform depth of large viewing well is 0.23mm and perfect for maintaining a shallow depth of field
- Innovative configuration has partitions to keep specimens in the viewing area allowing for easy tracking
- Optically clear slide made of Makrolon® polycarbonate making it durable and reusable
- Excellent impact resistance for safe use both indoors and outdoors
- Can be used as a traditional slide providing for dual-purpose use
- Can be used with traditional and digital microscopes offering versatility
- Includes 2 reusable coverslips made of Makrofol® (0.013mm and 0.025mm)
- 100% made in USA

Using the LiveSlide® microscope slide is easy! Simply follow these directions.

1. A LiveSlide® set contains 3 pieces, the base slide and a set of coverslips, all of which are reusable.
2. The 2 coverslips are different thicknesses. One is very thin, perfect for high magnification. The second is a bit thicker for all applications.
3. Each coverslip has a thin plastic film on each side for protection, one green and one clear. Remove both films by either peeling the film off or using a small piece of tape on the corner and lifting. Discard the films.
4. Gather your collected specimens.
5. Place the desired number of specimen droplets in the wells on the base slide.
6. Gently place the coverslip over the culture well.
7. Place the LiveSlide® on a microscope stage or under a digital microscope and enjoy exploring the magnified world.
8. Rinse with warm water. Let it air dry. After dry, store for future observation.



STEAM INTERACTIVE ACTIVITY BOOKS

New for 2018! Four exclusive, 16-page STEAM **Interactive Activity Books** support our most popular specimen kits. With our digital microscopes - or without - these activity books build creativity and curiosity in students of all ages as they explore a wide variety of specimens.

These exciting STEAM **Interactive Activity Books** allow students to work comfortably within the specific subject matter, and feature hands-on learning opportunities for students including discovery, compare and contrast, Venn diagrams, language arts, poetry, and art activities.

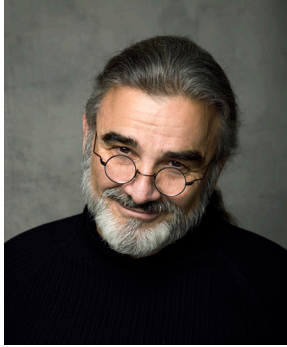
Whether investigating stingray skin, shark teeth, butterfly wings, bees, beaver fur, porcupine quills, or discovering what an owl ate by dissecting an owl pellet, these STEAM **Interactive Activity Books** will make learning meaningful, relevant, and fun.



These new titles are available (see our website).

- **INCREDIBLE INSECTS:** SEE WHAT THE BUZZ IS ALL ABOUT
- **ASTOUNDING OWLS:** SEE WHAT OWLS EAT
- **AMAZING ANIMAL COVERINGS:** SEE WHAT ANIMALS WEAR
- **MYSTICAL MARINE SPECIMENS:** SEE WHAT'S IN THE SEA

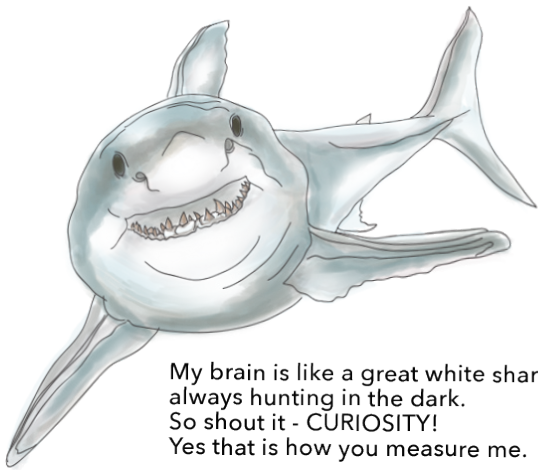




New for 2019!

Young minds will shift into overdrive as they encounter the history, philosophy, and principles of scientific inquiry all irresistibly packed in this poignant yet comical collection of dramatic poems, monologues, and short plays.

Brod Bagert has received numerous awards including the International Reading Association's prestigious Young Adults Choices award, the Association of Educational Publishers Distinguished Achievement Award, the Independent Publisher Gold Book Award, and Mom's Choices Gold Medal.



My brain is like a great white shark
always hunting in the dark.
So shout it - CURIOSITY!
Yes that is how you measure me.

from *My Curious Brain*
(*The Ultimate Scientific Instrument*)

"The whole idea behind the HeART of Science series is to give teachers and parents a tool with which they can have children act out content and learn while having fun." - Brod Bagert



MAYBE YOU

POEMS & PLAYS FOR SCIENCE AS INQUIRY

Calling on the time-honored principle that children remember "90% of what they do in dramatic presentation," **Maybe You!** is the first book in the long-awaited Brod Bagert's HeART of Science series, providing parents, teachers, and young learners with a comprehensive compendium of dramatic content literature, both entertaining and instructional.



SYSTEMATIC ME

POEMS & PLAYS ABOUT THE HUMAN BODY

The natural inquisitiveness of young minds will take flight as they meet, live and in person, the celebrities of the human body—the cells, organs, and systems that together maintain homeostasis.



MY HOME IN THE UNIVERSE

POEMS & PLAYS FOR SPACE SCIENCE

From cosmic dust, to Hydrogen Fusion, to the all-consuming gravity of black holes, **My Home in the Universe** transforms the detachment of theoretical concepts into the immediacy of imagined personal experience—accurate, emotional, and entertaining. The journey concludes with the voice of an unnamed star who declares that "in this ocean of eternal night, I make day. I burn to give this light away and in burning earn the right to say—I am a star."

Have a question or comment?

CALL TOLL FREE:

877-YOURLAB (877-968-7522)

9am – 6pm CST, Monday-Saturday

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