

NATURE-BASED EXHIBITS, SIGNAGE, & DISPLAYS

INTERPRETIVE EDUCATIONAL INTERACTIVE





Engaging Custom SIGNAGE DESIGN



already translated language, but can work with a translator as needed to

support your

project.

RICAR

CHEROKEI

HAYWOOD

2 SPRIGGLY'S BEESCAPING | EXHIBITCatalog

Our standard signage services include graphic design, digital illustration, and content creation. Spriggly's can develop the entire sign from start to finish, work with your team to develop and edit content, or design using finalized text provided by the client. Spriggly's works with a variety of printers and materials and also offers designs for touchscreens and websites.

Contact **info@sprigglys.com** or **828.377.6168** to discuss your project and get an estimate. Discounted non-profit pricing is available upon request.



Branded and QR-Coded PLANT TAGS





HIGH-QUALITY LONG-LASTING **DURABLE ALUMINUM**

Spriggly's works with local and national plant databases, such as Wildflower.org and the North Carolina Extension Gardener Plant Tool Box, to create interactive plant tags. These tags feature QR codes linked to individual identification pages for your visitors to learn more. Each QR code has space for your organization's logo or a symbol or your choice.

Designs without QR codes or written short links are available upon request.

Spriggly's provides the overall design, QR code creation, connection, and testing, along with print and shipping coordination for orders of six or more.

Standard Size

5" x 3" Aluminum Tag with Stake

6-49 tags......\$27 each 50-99 tags......\$25 each 100+ tags......\$23 each 350+ tags......\$21 each

Depending on your site, plant tags can be made larger or smaller.

*Depending on the size, tags can include other information such as sun requirements, bloom time, pollinators supported, or clues to a scavenger hunt.

Shipping costs are not included in the pricing shown. *Price changes with the size of the tags and level of design.

Please contact info@sprigglys.com or 828.377.6168. to learn more and place your order.





<u>_//</u> Carolina Lupine ぶ Thermopsis villosa





/id-late spring

Prefers full sun



Previously Developed EXHIBIT PIECES Built to Order

The prices on the following pages are for the **specific designs** in the catalog, using the materials and sizes provided.

Spriggly's can **scale designs up-or-down** depending on the project goals, budget, and overall needs.

Exhibits can be fabricated in a **variety of materials and sizes to fit** the specifications of your space.

Designs originally made for certain regions **can be altered to feature the native species and nature topics** pertinent to your site.

> Shipping costs are dependent on your location, the pieces ordered, and overall weight of the final packages. A rough estimate will be provided, however, the final cost is based upon current shipping rates set by third-party services.

CUSTOM COMMISSIONS

Need help with content and design to bring your idea to life?

Whether related to pollinators, plants, or another nature-based topic, we work with you and your team to create the perfect signage and exhibits for your space.

Spriggly's designs exhibits for all age groups and offers both indoor and outdoor exhibit options.

Please contact **info@sprigglys.com** or **828.377.6168** to learn more.

CARPENTER BEES LIVE HERE!

THIS IS A GOOD THING! LEARN MORE INSIDE THE TRAIN STATION



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The Liftable Solitary Bee Nesting Log is on display at the Milton J. Rubenstein Museum of Science & Technology in Syracuse, NY and the University of Michigan Extension Office, among other locations.



This native bee nesting exhibit depicts the lifecycle of the two different wood-nesting bee genus groups, mason bees and leafcutter bees.

There are many species of each genus native across North America. In addition, there are species of mason and leafcutter bees native to much of the world, making this exhibit applicable for national and international use.



The exhibit features a **resin modeled log with an interactive top** that viewers can lift to explore the model and didactic signage inside. The nesting models can show either or both **mason and leafcutter bee nests in the egg stage, the larvae stage, and in the pupal stage.**

The nesting site models are made from clay, mounted on a wooden base with high-pressure laminate signage featuring information on the nesting lifecycle of solitary wood-nesting bees. Decorative wooden mushrooms are included as a part of the exhibit design.



The Liftable Solitary BEE NESTING LOG

Details

Size: 35.5" x 13" x 9.75" Materials: Resin, wood, clay, moss, epoxy, and 1/8" HPL Base Cost: \$4,550 + S/H. Mounting Option: \$75 A flat piece of finished wood can be affixed to the bottom of the exhibit for easy installation onto any surface.

Custom padded travel case: \$300

Please contact info@sprigglys.com or 828.377.6168 to learn more and place your order.

Engaging and Interactive <u>BUILD LIKE A SOLITARY BEE</u>

Exhibit and Game



Native Bee NEST MODEL & BUILD LIKE A SOLITARY BEE

Details

Size: Requires a minimum of 3' x 3' of table space for model and game, but ideally larger for two player stations Materials: Wood, paint, spar urethane Model Cost: \$1,200 Model Travel Case: \$150 Model Stand: \$100 Table Top Game: \$750 *Instructions: Free PDF

*Print on a higher quality piece of signage for an additional fee.

The **larger than life nest model and Build Like a Bee game** puts solitary native bee nest education in the hands of the players. As seen in the nest model, the game is played by first gathering pollen, then balancing an egg on top, and finally closing off each egg into it's own room, or cell, using a wall.

Have a traveling educational program?

Exchange the tabletop version of *Build Like a Bee* for this compact travel set.

Build Like A Bee EXHIBIT GAME Travel Set

Details Size: 14 x 10 x 6 **Materials:** Wood, metal sign, vinyl signs **Cost:** \$750 USD + S/H.



Make it a full exhibit with this dynamic piece of signage, discussing the various types of bees found in North America.

The sign explores how a stump becomes native bee habitat for wood and ground-nesting bees. With illustrated nests and detailed descriptions, **this sign partners perfectly with the larger than life nest model and Build Like a Bee game.**



This exhibit was first on display at the Asheville Museum of Science in 2018. The entire exhibit, or pieces of this exhibit, are currently in use by multiple organizations including Darke County Parks in Greenville, OH and Wild Ones in Winston-Salem, NC.

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THROUGH THE SEASONS

Solitary bee lifecycle nest model



The "Through the Seasons" Solitary Bee Life Cycle Nest shows the complete lifecycle in **one model.**

The interactive display comes with detachable bees that can be used as a part of a demonstration, showing how the soliltary bee flies off to a flower, comes back, and works on her tunnel. Through the Seasons SOLITARY BEE Life Cycle Nest Model

Details

Size: 14" W x 22" L Materials: Wood, clay, plastic, and epoxy resin. Base Cost: \$1,500 USD + S/H. Padded travel case: \$150





This piece was originally created for BeetheChange.org in Weybridge, Vermont.



These Scientific Bee Identification Posters feature high definition images of common North American native bee species. The posters highlight additional pollinator and nesting information for each species.

Scientific Bee ID POSTERS

Details

Size: 9" W x 12" L Materials: High Quality Prints or Re-Stickable and/or Permanent Stickable Vinyl options available. Base Cost: High Quality Individual Prints \$50 each USD + S/H. Re-Stickable or Permanent Stickable Vinyl Prints \$75 USD each + S/H.



Each individual poster is a learning tool by itself. Use collectively as a full wall poster or as a set leading visitors through your space to a larger exhibit on native bees. These posters also make fantastic slides for presenting opportunities for educational trainings, pollinator



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Additional Exhibit Signage NATIVE BEES AND MORE

Each exhibit sign shown here can be printed in a variety of materials and sizes. Please contact info@sprigglys.com or 828.377.6168 to get a quote for your space.

BEES ARE BEST AT FINDING FLOWERS



Many plants have developed flowers with combinations of sights, smells, and other signals that help them attract the animals they want. In fact, these plants are actively competing against each other in order to attract the most desirable pollinators. **Pollinators** are animals that visit flowering plants and carry pollen from one flower to another, helping plants make seeds. This is called pollination.

Sunlight is composed of many spectrums of light, including **ultraviolet light**. Unlike most humans, bees and other pollinators are able to see light in the ultraviolet spectrum. The majority of flowers can absorb or reflect ultraviolet light in different ways that create signals bees and other pollinators can read.

These signals, known as **floral markings**, are special colors and patterns on flowers. Some of these markings look very different to animals that can see in the ultraviolet spectrum. It is thought that these markings help pollinators find the nectar and pollen located inside of blooms. Each animal sees these signals differently from one another.

ese pictures of Monarda, commonly known as bee balm, w a great example of how various parts of flowers might ct to ultraviolet light.



This is a picture of ae is by

WHERE DO INSECTS HIDE WHEN IT IS COLD OUTSIDE?

Due to their small size and cold-blooded nature, insects are forced to quickly find shelter in the event of storms or cold weather. Winter is an especially tough time for insects due to scarce food and water combined with low temperatures.

While insects can be observed almost constantly during warm and sunny days in the spring and summer, in many parts of the world they disappear from sight in late fall and winter as they are forced to find shelter. Even though you don't see them, insects use several different types of habitats to shelter all around us while there is bad weather.

Leaving areas filled with these habitats is an easy way to foster populations of insects in your landscape



BEES ARE BEST AT FINDING FLOWERS

Bees and other pollinators rely on more than sight to find flowers. For example, many flowers produce scents that are designed to attract any nearby pollinators. Pollinators include bees, butterflies, flies, moths, beetles, birds or any animal that comes into contact with flowers, helping to spread pollen and aid in pollination.

These scents aren't made from a single spot on the flower - each flower has a specific arrangement of spots that produce scent depending on its species.

Bees and other pollinators are believed to be able to 'read' these scent patterns on each flower and use the patterns to help them find their favorite flowers. All pollinators have plants they All pollinators have plants they prefer due to color, size, shape, , and other features

> Flowers normally have a negative electrical charge due to special areas on their petals. These electrical charges create electrical fields, which surround any object that has an electrical charge.

Scientists believe that bees can tell a flower's type, location, and even if it has had another recent pollinator visitor simply analyzing its electrical fi

In addition, the hairs on bees are attracted to these electrical fields, and point the way towards nearby flowers.

HIDING IN PLAIN SIGHT! INSECTS SEEK SHELTER IN BAD WEATHER AND THE WINTER













Honey Bee vs. Solitary Native Bee <u>EXHIBIT & GAME</u>





This table-top design is perfect for permanent, temporary, and traveling exhibit needs.

The A-Frame signage and game come complete with a travel and storage case.

Pollen pieces made from wooden tokens and velcro are included.

EXHIBIT & GAME

Details

Size: 33" x 35" Materials: Wood, HPL signage, velcro, enamel, tung oil, and spar urethane. Cost: \$3,500 USD + S/H.



The other side of the A-Frame can be altered to feature the native pollinators and habitat in your region. Saguaro National Park was the first to commission the pictured design.

A version of this exhibit can be printed as large-scale wall decals as seen on page 3.

Pollen pieces made of plastic balls and velcro as seen on page 3, or full plush pollen pieces are also available upon request.

POLLINATORS • PLANTS • PRODUCE LIFT & FIND EXHIBIT

This "lift and find" exhibit puts exploration in the hands of the viewers as they **discover which of their favorite fruits and vegetables wouldn't be here without a pollinator!** This exhibit can be built for indoor or outdoor use.

A standing metal frame, wall mount, or wooden base can be purchased for an additional charge, or specs to build your own can be provided.

LIFT & FIND

Exhibit Details

Size: 48" x 24" Materials: Wood and 3/4" HPL signage Cost: \$3,500 USD + S/H *Standing Metal Frame/Mount: \$500 + S/H *Wooden Base: \$300 + S/H

*Some assembly required





Native plant focused POLLINATOR GARDENS



Enhance outdoor experiences

Pollinator gardens are a fantastic addition to any outdoor space and partner with almost any Spriggly's exhibit. Let our native plant horticulturist and landscape designer create the perfect garden design for your space. Our designs feature a diversity of native plants to your region that bloom throughout the growing season and support a wide range of pollinators.

After 1-3 years, native plant gardens are well established and require minimal to **no maintenance** depending on the site's aesthetic needs.



Having drainage issues?

Pollinator gardens can be easily transformed into rain gardens as seen below.



Our designs are rendered in 2D and 3D, along with an option for a video preview. Design costs are priced per project. Please connect with info@sprigglys.com or 828.377.6168 for an estimate.

WHY CHOOSE SPRIGGLY'S

Spriggly's Beescaping is a **nature education and habitat restoration business** from Western North Carolina. Spriggly's has **dedicated their business to supporting pollinators and local ecosystems**.



Enhance learning opportunities. Promote conservation awareness. Display commitment to the environment.

Spriggly's Beescaping creates **nature-based exhibits and informational signage**, often with a special focus on native pollinators, native plants, and native ecosystems.

Through the use of different materials, along with varying shapes and sizes, **our project development process meets the specific needs of each client's space and budget.**

Discounted non-profit pricing is available upon request.



Need assistance, but have your own team?

If your team has its own design and fabrication process but are interested in idea generation and brainstorming, Spriggly's offers in-person and virtual consultations. We also write educational content for your team to use as desired in your own designs.

WHAT WE OFFER

- Indoor/outdoor interpretive signage
- Interactive physical exhibit models
- QR code plant identification tags
- Dynamic website information pages
- Touchscreen signage
- Content and curriculum development
- Takeaway materials
- Activities and games
- Native plant pollinator gardens



WHAT OUR CLIENTS SAY

"We were thrilled to partner with Spriggly's Beescaping to create our Wonderful World of Pollinators exhibit. From initial design to delivery and even ongoing maintenance, Jill and Brannen were there every step of the way, and we couldn't be happier with our larger-than-life butterfly photo spot, native bee wall game, and nest model."

- Emily Stewart, Milton J. Rubenstein Museum of Science & Technology | Syracuse, NY

"The exhibit is stunning. Thank you so much for it!

- Elle Gray, Great Explorations Children's Museum | Tampa, FL

"Through their innovative approach and collaborative spirit, Spriggly's not only enriched Kaleideum's pollinator garden but has also inspired visitors to appreciate and protect our natural world. Their dedication to environmental stewardship serves as a shining example of how businesses can make a positive impact on both local communities and the planet at large."

- Leigh Ann Woodruff, Kaleideum Museum | Winston-Salem, NC

Our Books



1st-3rd readers

Our children's book follows a mason bee as she searches for a new home, meeting many pollinator friends along the way. This book compliments any of Spriggly's native bee exhibits. A five lesson curriculum kit is available for this book as well.



8th+ readers

Our non-fiction book of articles is broken into the following chapters: The Natural World, Fantastic Plants, Our Animal Friends, Strictly Insects (Mostly Pollinators), Human Innovation & Impact, and A Look to the Future.

Learn more about both books on the following pages.

Contact

www.sprigglys.com info@sprigglys.com 828.377.6168

@sprigglys_beescaping









Pollinator Packed Curriculum Kit!

Connecting to Spriggly's children's book, *Finding Home: A Story of a Mason Bee*, this **cross-curricular kit** is perfect for **1st-3rd grade** students.

Enjoy **five lessons**, with **extension activities** based on education level.





Finding Home shows readers an inside look at the lives of six beneficial native creatures through an engaging and educational tale of a mason bee's search for a new home.

WHAT'S INCLUDED?

- Flash-drive* with curriculum kit ready to print: features detailed lesson plans, activity sheets, flash cards, bee hotel instructions, pollinator garden guide, and other teaching tools.
- Hardcover copy of *Finding Home*
- Access to the *Finding Home* online kid's course, with an interactive book reading and nature video lessons
- A sunflower seed bomb four pack

*No redistribution allowed beyond repeat personal or classroom usage. Long-lasting printed curriculum booklets and thick laminated flashcards are available upon request. Connect with info@sprigglys.com for details.







Expand your knowledge of the ecosystems around you and share what you've learned with family, friends, and students!

Enjoy 16+ hours of engaging video content and become an expert on supporting pollinators and your local environment.

This course series and associated book are perfect for adult learners and applicable to student learners as low as 6th grade.

GARDENING FOR THE PLANET

VIDEO COURSE SERIES

COURSES INCLUDED

- Save the Bees. All the Bees
- Wonderful Wasps: Predators and Pollinators
- Beautiful Butterflies and Moths
- Beyond Beneficial Wildlife: Ants, Flies, Beetles, and more
- Choose Native Plants: Size, Shape, and Scope Matters
- Dangers Saturating Our World
- Restore, Rebuild Rewind: Nature-Focused Landscaping
- Invasive vs. Non-Native vs. Native Plants
- Tool Time: Pruning, Equipment, and Techniques
- Integrated Pest Management + IPM Plans
- Controlling Drainage + Rain Gardens as Pollinator Gardens
- Moving Social Wasp Nests
- Companion Plantings and Cover Crops
- Medicinal Gardens as Pollinator Gardens
- Bonus Course for Kid's with Interactive Book Reading

This video course series partners with our non-fiction softcover book:

A Guide to the Wonderful World Around Us: Notes on Nature

From mushrooms to the moon, take a journey throughout planet Earth and beyond. The book explores 60 nature topics broken into six chapters: The Natural World, Fantastic Plants, Our Animal Friends, Strictly Insects (Mostly Pollinators), Human Innovation & Impact, and A Look to the Future.

