

10th Annual

MEMBERS' NIGHT



Friday, October 13, 2017



The Academy of
Natural Sciences
of DREXEL UNIVERSITY

PROGRAM

Welcome to our 10th Annual Members' Night—your chance to witness your support in action!

Dear Academy members,

As a dinosaur, I have a lot to be proud of, from my toothy grin to my lovely green skin. But nothing gives me more pride than serving as the Academy mascot. And you should be proud, too! You have made a huge impact on our museum this year. There were many exhibits, projects, and programs that would not have happened without the support of you, our lovely members.

Tonight, you will have the unique opportunity to meet our researchers, scientists, and educators and participate in great activities that showcase the work they do every day. Your support allows our scientists to travel around the world, and many have made exciting discoveries they will be sharing with you. Perform spooky experiments with our chemists; have fun with lasers and create a 3-D digital model of an ichthyosaur with our paleontologists; dissect mollusks with our malacologists; and much more!

Your support also helped us bring in some fantastic exhibits this year. Have you visited our ***Tiny Titans*** exhibit yet? This very special exhibit showcases dinosaur eggs and babies. Then, we invite you to visit February 3–May 6 to learn all about crocodiles in our next special exhibit, ***Crocs: Ancient Predators in a Modern World***.

You also helped our education team put together a fun slate of programming this year, including Paleopalooza, Bug Fest, and our exciting winter lineup! We hope you can join us for **Wild Wizarding Weekend** November 24–26. Then, treat your friends and family to a fun-filled week of amazing programming at **Dino-mite Winter**, December 27–30. And stomp in for **Dinosaur Days** January 13–15, 2018.

Thank you for being such an important part of the Academy family. Your encouragement makes me roar! I look forward to seeing you in person tonight!

Yours toothy,

Eddie

Eddie the T. Rex





EXPLORE
BEHIND
THE
SCENES!



We will be taking photographs tonight at Members' Night, and images may be used in Academy promotional materials. Please let our photographers know if you do not want your photograph to be taken. Thank you!

NAVIGATION TIPS

Maps

The light blue and navy blue areas on the following maps illustrate the locations of Members' Night activities on each level.

LIGHT BLUE
areas indicate
public areas of
the museum.

NAVY BLUE
areas are
behind the
scenes.

Helpful Hint

To avoid crowds, try starting on the upper levels and working your way down.

Elevators

The elevators do not go to every level. They are color coded to help you find your way. Elevator operators will assist you.



**Orange (Butterfly)
Elevator:**
Ground Level-4



Blue Elevator:
Level 1-6



**Green (Dinosaur)
Elevator:**
Level 1-4



Yellow Elevator:
Ground Level, 1,
and 5

GROUND LEVEL



Academy Café

Open until 9 p.m. Members receive a 10 percent discount.

Additional food options and seating are available in the Commons until 9 p.m.

LEVEL 1

A Fun with Lasers

Help us create a 3-D digital model of our new ichthyosaur.

B Dino Discoveries and Dino Mysteries

Find out what we dug up in Montana and Wyoming this summer, and help our fossil prep staff surface clean fossils from this past season. Help us solve a 70-million-year-old dinosaur murder mystery too!

C Take a Hike!

Ever wanted to explore our North America dioramas up close? Sling on a backpack, lace up your boots, and don't forget to bring your camera. Explore three of our dioramas using green screen technology.

D Bug Babies

Caterpillars, maggots, and nymphs, oh my! Baby bugs not only look very different from adults, but also live very different lives. Can you match the bug to its baby with live bugs and specimens?

E Auditorium Shows

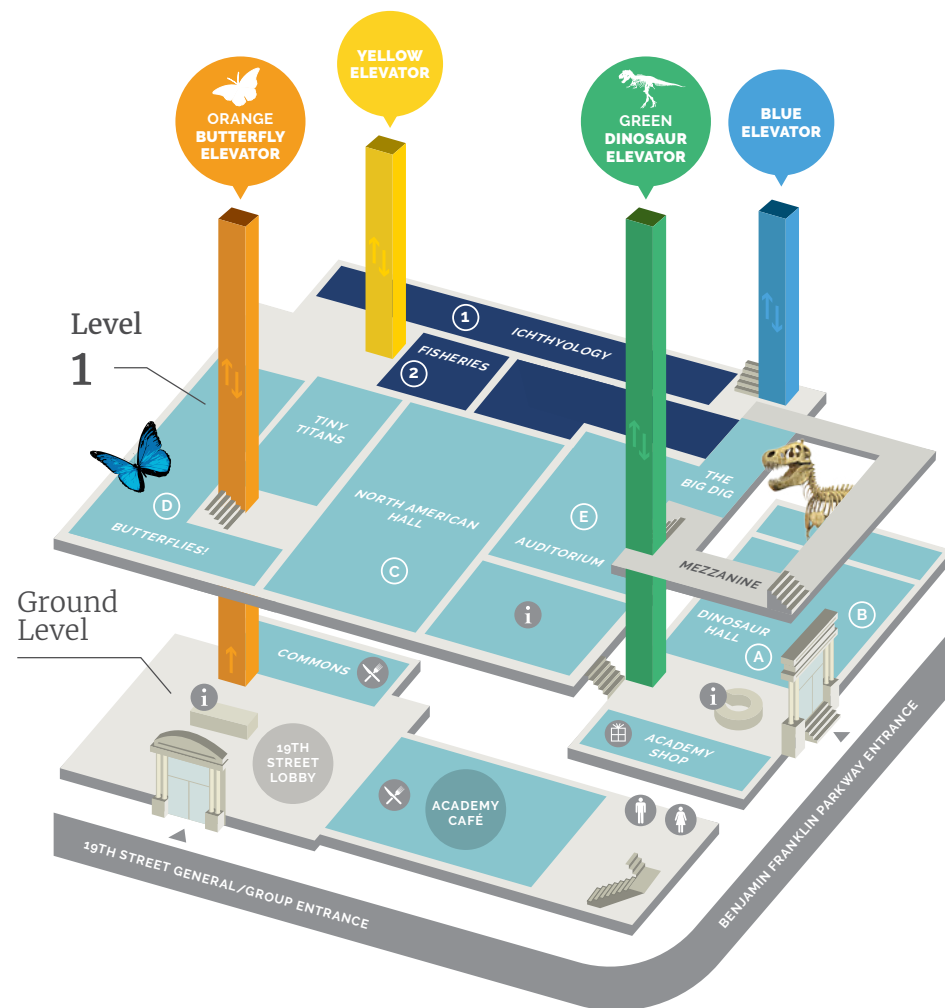
Take a break from the action and watch *Bill Nye* and *Magic School Bus* videos on loop from 5–9 p.m.

1 Fish Show and Tell

View some of the Academy's most interesting, rare, and weird fish specimens from the collection.

2 Fish Finds

Take an up-close look at some of the local fish findings the Academy's fisheries team discovered over the summer.



i Information Desks

X Food and Beverage

🛒 Academy Shop

Open until 9 p.m. Members receive a 10 percent discount.

🚻 Restrooms



A Restoring One of America's Great Natural Resources

Learn why freshwater mussels are important and what Academy scientists are doing to bring them back to streams in your neighborhood.

B Drexel BEES Graduate Students at the Academy

Hear about the Academy's biodiversity research from Drexel graduate students.

C Blue Carbon Bonanza

Watch Academy scientists demonstrate the infra-red greenhouse gas analyzer they use to research wetland carbon sequestration.

D Wetlands Prevent Pollution

Learn how wetlands prevent pollution using a wetland landscape model.

E Haunted Hallway

Meet nature's vampires, greet ghostly animals, investigate the science of dry ice, and more!

F The Return of the Typewriters

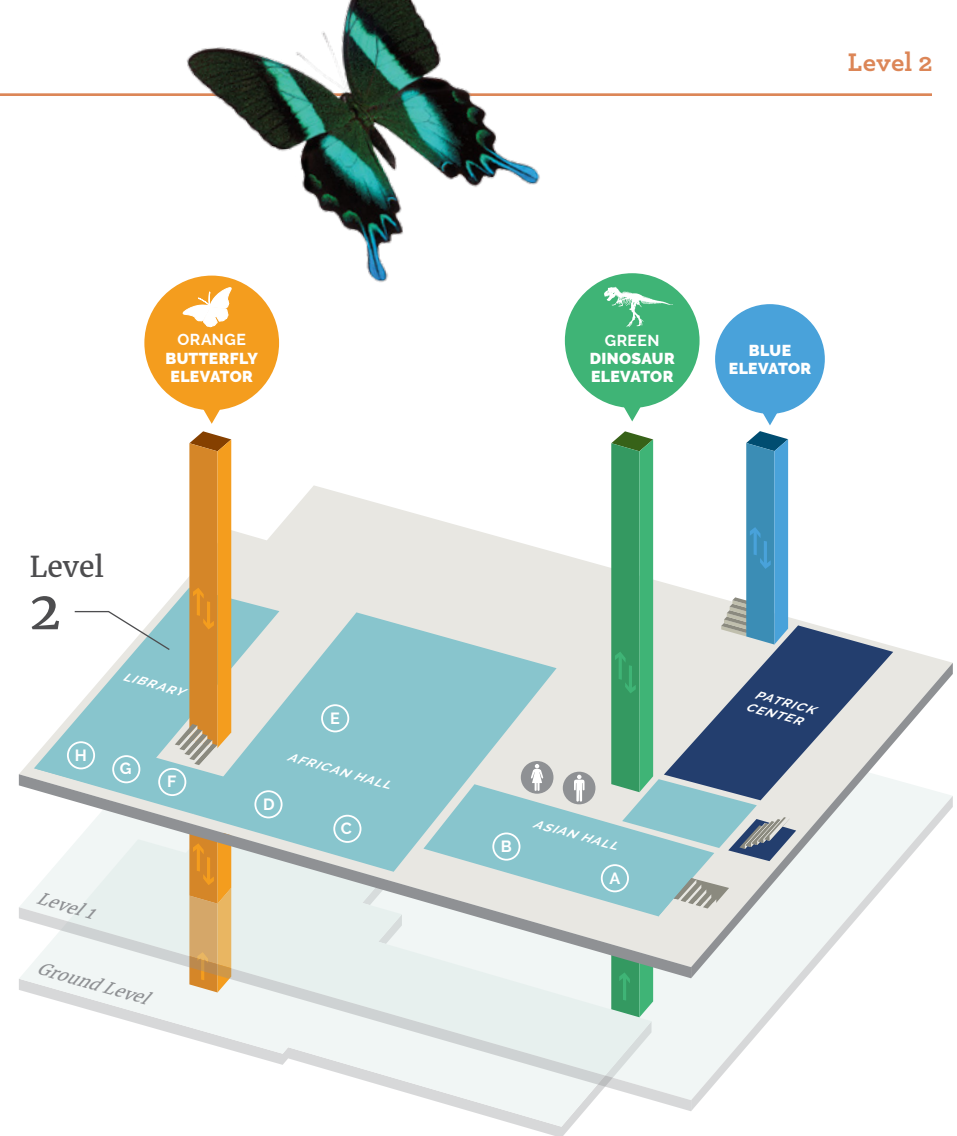
Use our manual and electric typewriters, which were (and still are!) important tools for the work that librarians and archivists do every day.

G My Academy Coloring Book

Pick up your own coloring book featuring items from the Library and Archives! Try to guess which things belong in the Library and which ones belong in the Archives.

H Create Your Own Call Number

Learn how librarians create call numbers for cataloging books in their collection.





SEE THE SCIENCE BEHIND THE SCENES

A Animal Enrichment and Training

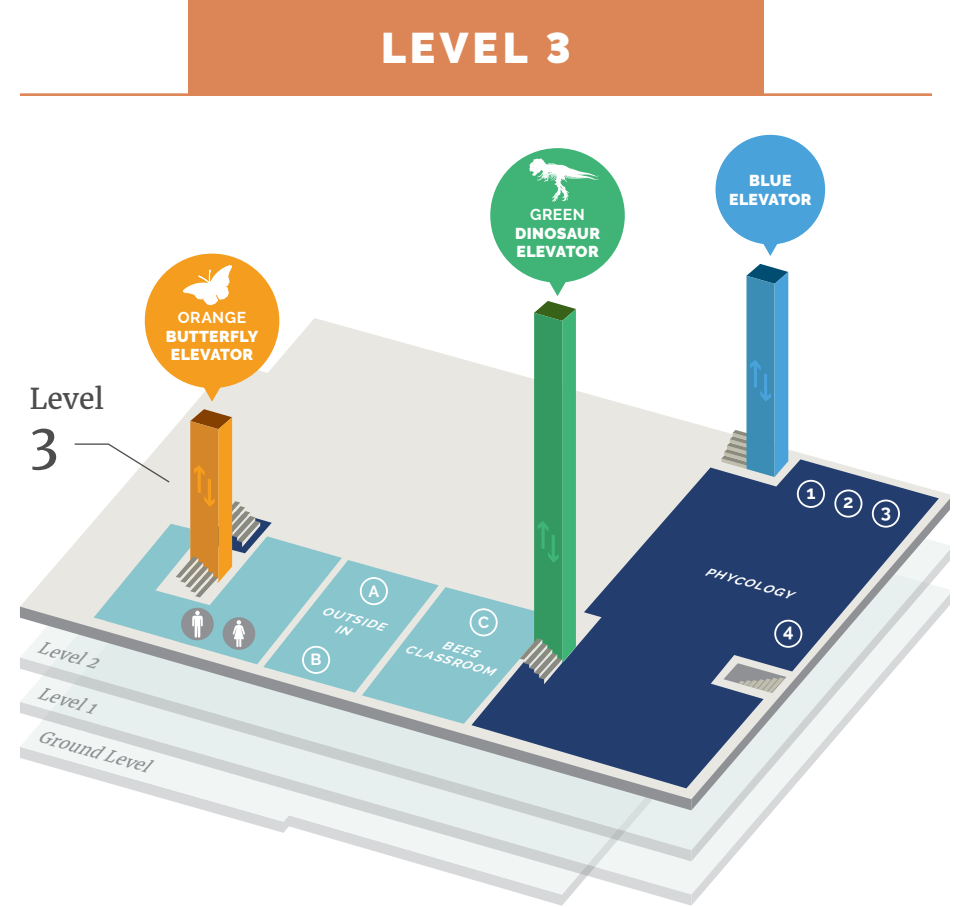
Rats, turtles, and even fish can be behavior trained. Try your hand at animal training, help with Halloween-themed enrichment, and create a target training craft to take home.

B Whose Skin is This?

Guess by touching which fur belongs to which animal.

C Spooky Chemistry Experiments

Enter if you dare! Help some ghoulish characters perform spooky experiments like candy chromatography and potion and slime making. Check out gear used in the swamp too!



1 Water Insects

Explore the unique shapes and adaptations of aquatic insects under a microscope.

2 The Good, the Bad, and the Slimy

Learn how pollution affects the base of the food web by observing live algae, photographing specimens, and visualizing their changing habitat using virtual reality.

3 Diatom Taxonomy through the Ages: Over 230 Years of Recording New Species

Record your own hand-drawn diatom specimens while observing them through old and new microscopes.

4 Augmented Reality Sandbox

Manipulate sand by hand and watch the landscape come to life! Learn how the sand is augmented in real-time with an elevation color map, topographic contour lines, and simulated water.

1 The Great Insect Pumpkin Patch

Discover the Academy's most orange, green, and black insect specimens.

2 The Dark Side of Moths and Butterflies

Learn about cannibal caterpillars and vampire moths that share this planet with us!

3 Bird Specimen Preparation

See how our ornithologists prepare bird specimens and collect valuable biodiversity data for the museum's scientific collections.

4 Bird I.D.

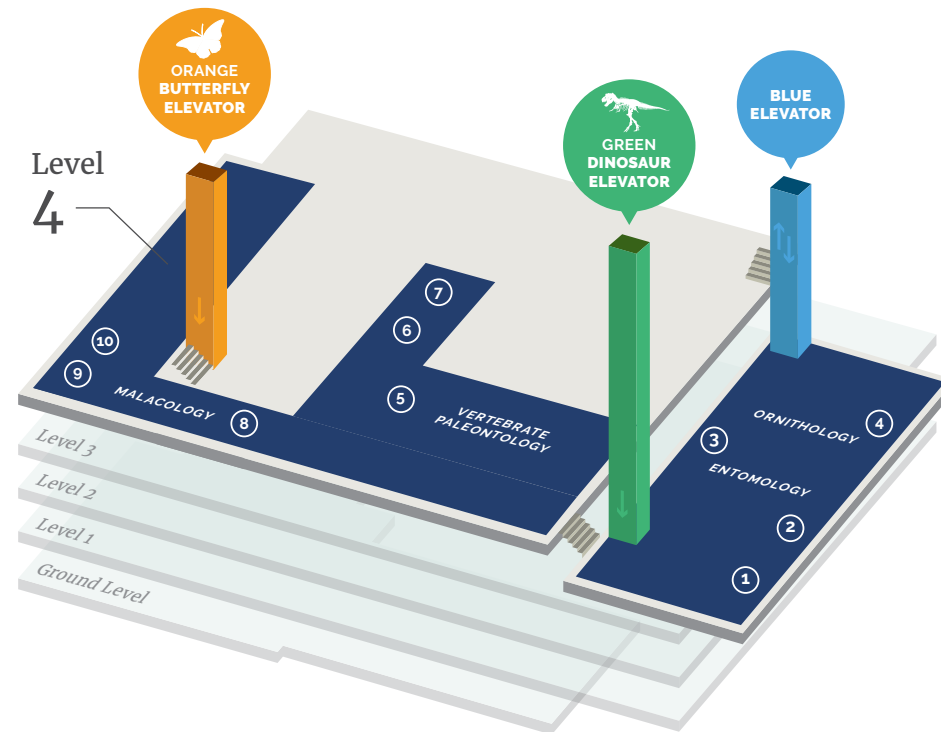
Learn how to properly identify and name birds from the Academy's collection.

5 Art of Science: Bringing Fossils to Life

Paleontologists often work closely with artists to imagine plants and animals that no one has ever seen alive. Visit our fossil collections to see some unique pieces of art and the scientific evidence that inspired them.

6 Fossils From Around the World

Take a peek into the Invertebrate Paleontology collections to see fossils collected from nearby New Jersey and around the world.



SEE
TREASURES
FROM THE
COLLECTIONS



7 Collections Management 101: From Death to the Shelf

We've successfully rehoused at least 40,000 specimens. This process involves curation, lots of data checks, building a permanent home for the specimens, and then finally getting them back on the shelf.

9 Mollusk Dissections and Anatomy Sketches

We'll be dissecting Channeled Whelk Snails from New Jersey and showing you the details up close!

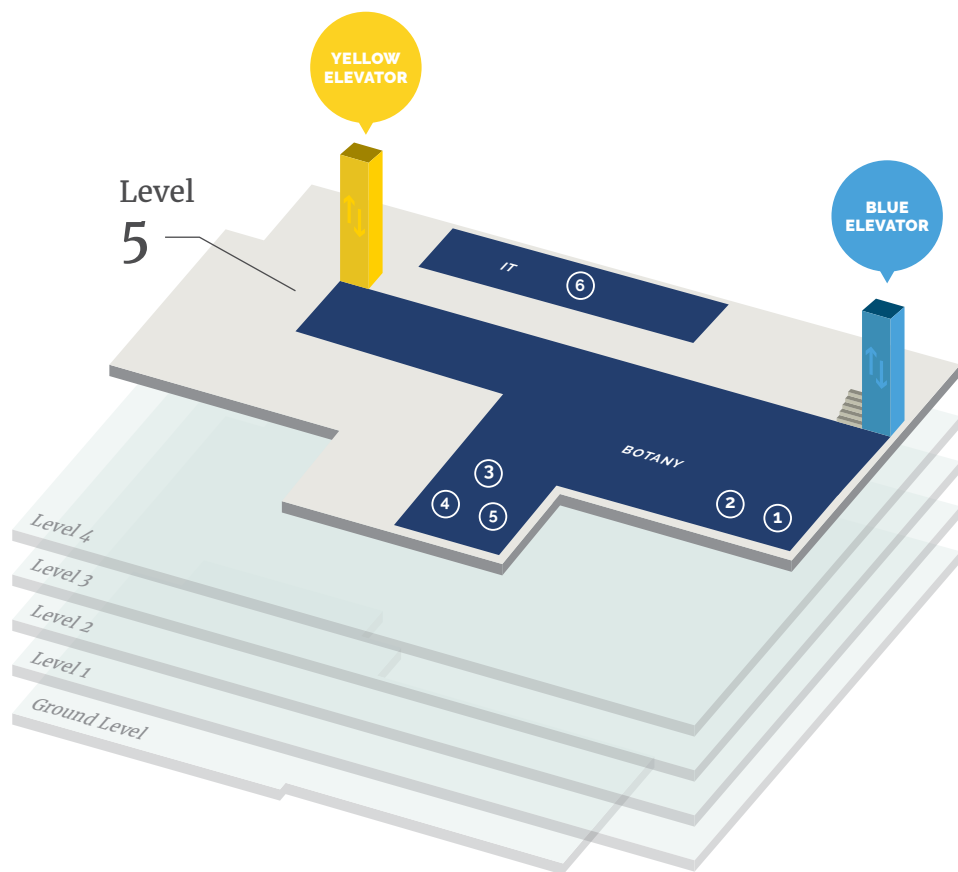
10 Mollusks 101

Learn how these amazing creatures grow, live, and more!

8 Beach Party

The ever-popular beach is back! Pick out and identify shells, and find one to add to your own collection.

LEVEL 5



- 1 Botanical Match Game**
Match specimens from the collection with their associated products from the grocery store.

- 2 Fruits and Roots: Botany in the Produce Section**
Learn about some of your favorite foods from a botanical perspective.

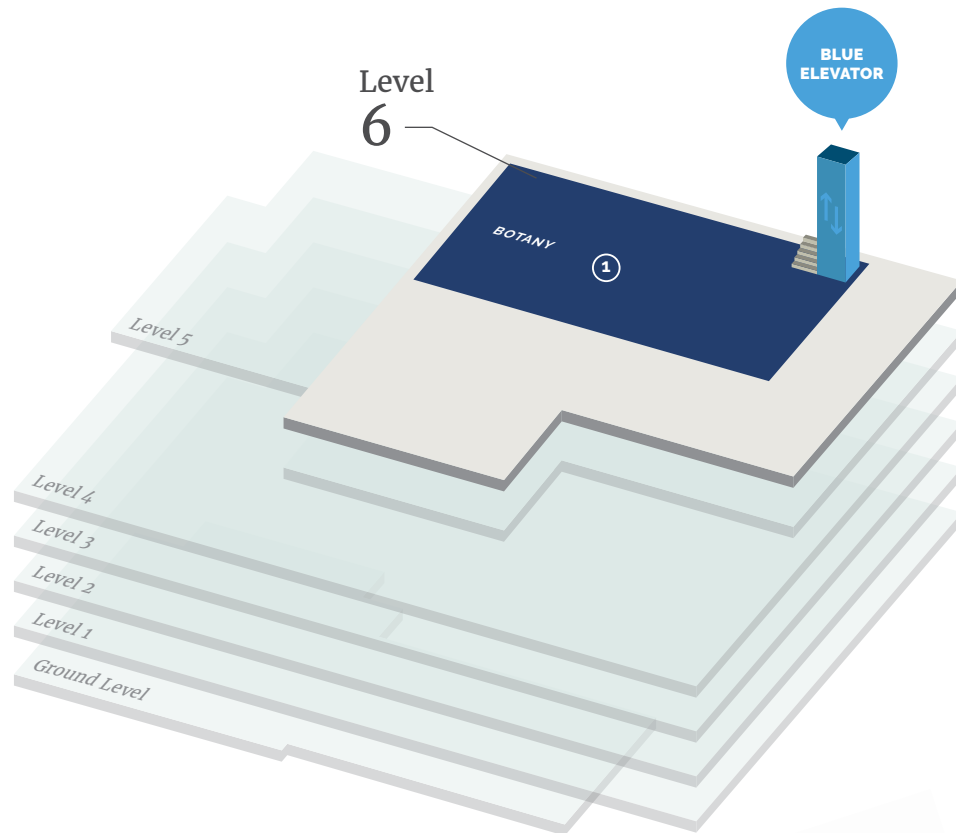
- 3 Make Your Own Herbarium!**
Learn how 1.2 million specimens in the Academy's herbarium are cared for, and prepare your own herbarium to take home!

- 4 Plant Portraits**
Make plant art with high-powered scanners.

- 5 Meet our BEES Students**
Learn from the Botany Department students about their latest research and findings.

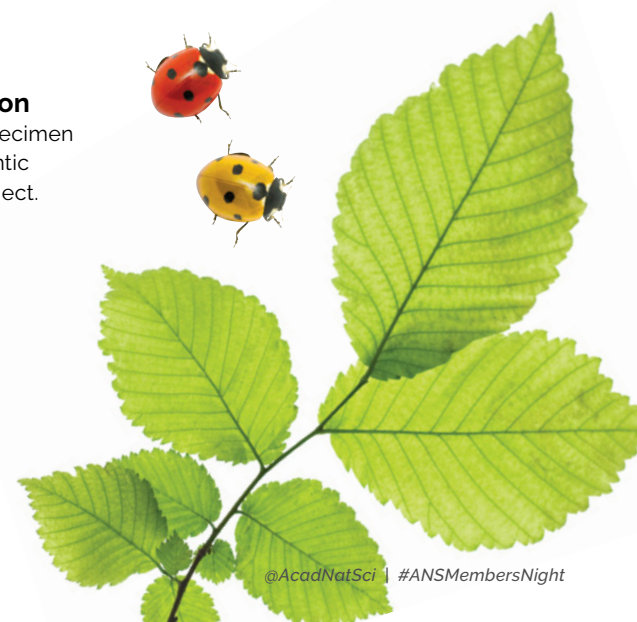
- 6 No Phishing**
Learn about computer threats specific to the Academy through digital displays and charts, as well as other general precautions necessary in the science community.

LEVEL 6



- 1 Mid-Atlantic Megalopolis Digitization**
Enjoy a demonstration of specimen processing for the Mid-Atlantic Megalopolis digitization project.

Photo credits:
 + J. Fusco for ANS
 o Mike Servedio
 oo Ben Bowers



@AcadNatSci | #ANSMembersNight

2017 Members' Choice Award

Vote for your favorite activity!

Check the name of your favorite activity. Place your ballot in a box at one of our entrances. We'll announce the winner in the next member email!

Level 1

- ☐ Bug Babies
- ☐ Dino Discoveries and Dino Mysteries
- ☐ Fish Finds
- ☐ Fish Show and Tell
- ☐ Fun with Lasers
- ☐ Take a Hike!

Level 2

- ☐ Blue Carbon Bonanza
- ☐ Create Your Own Call Number
- ☐ Drexel BEES Graduate Students
- ☐ Haunted Hallway
- ☐ My Academy Coloring Book
- ☐ Restoring One of America's Great Natural Resources
- ☐ The Return of the Typewriters
- ☐ Wetlands Prevent Pollution

Level 3

- ☐ Animal Enrichment and Training
- ☐ Augmented Reality Sandbox
- ☐ Diatom Taxonomy through the Ages: Over 230 Years of Recording New Species
- ☐ The Good, the Bad, and the Slimy
- ☐ Spooky Chemistry Experiments
- ☐ Water Insects
- ☐ Whose Skin Is This?

Level 4

- ☐ Art of Science: Bringing Fossils to Life
- ☐ Beach Party
- ☐ Bird I.D.
- ☐ Bird Specimen Preparation
- ☐ Collections Management 101: From Death to the Shelf
- ☐ The Dark Side of Moths and Butterflies
- ☐ Fossils From Around the World
- ☐ The Great Insect Pumpkin Patch
- ☐ Mollusks 101
- ☐ Mollusk Dissections and Anatomy Sketches

Level 5

- ☐ Botanical Match Game
- ☐ Fruits and Roots: Botany in the Produce Section
- ☐ Make Your Own Herbarium!
- ☐ Meet our BEES Students
- ☐ No Phishing
- ☐ Plant Portraits

Level 6

- ☐ Mid-Atlantic Megalopolis Digitization

☐ Other _____



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Connect with us online!

@AcadNatSci

#ANSMembersNight

#dinodelphia



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