

# BLOODTIDE AT PPL LOOK BOOK

Many of these organisms got their start in workshops with different groups. They were completed in public workshops at Providence Public Library and Eli's living room. Groups that participated are noted below using these abbreviations:

- **NUA/MEO**- New Urban Arts and Movement Education Outdoors (Eli worked with their Art Inquiry Waterways Summer Program)
- **SH**-Sojourner House
- **CDC**-URI's Pat Feinstein Child Development Center
- **NEERS**- New England Estuarine Research Association
- **FW/PGBC**- First Works workshops with Pawtucket Girls and Boys Club

Also PVD Young Makers and 2 groups from The MET School and Eli's friends and family...thank you for your hours of slime time.

Our timeline is unfinished and unfurling! Who might you invite home?!



Providence  
Public  
Library

PROVIDENCE  
ART  
CULTURE  
TOURISM

## 1. 14 MODERN HUMANS

**Time Since Evolved:**  
Not even a million years ago



**Size in PPL:** a squirrel.

**Field Notes:** As of 11/17/24 at 5:29 pm there are 8,188,816,078 humans alive on the planet Earth. Can you believe



you are one of them? **In PPL:** Preschoolers sculpted us and grown-ups gave us skin. We could be re-homed individually or as a family cluster. -CDC

## 2. WHALE (HOME 4EVER PPL)

**Time Since Evolved:**  
25 million years ago  
**NOT AVAILABLE**



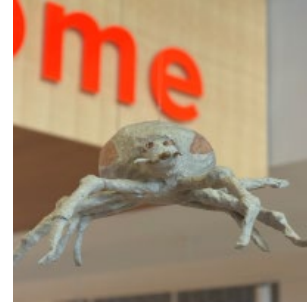
**Size in PPL:**  
A small kayak

**Field Notes:** 300k sperm whales today, from 1.1 million before whaling. In **PPL:** Once like a lizard. Sawed in half to fit in Eli's car. A cardboard torso extension made figure "whale-like." "I enjoy my view! I'll miss my friends but I'm excited for their new horizons!" -NUA/MEO -CDC



## 3. SPIDER

**Time Since Evolved:**  
310 million years ago  
**NOT AVAILABLE**



**Size in PPL:**  
Toaster oven

**Field Notes:**

"I help control disease by managing the mosquito population and my web skillz are unmatched!" **In PPL:** Jameel (at the PPL welcome desk) and I have grown fond of one another and I'll be hanging wherever he hooks me up.



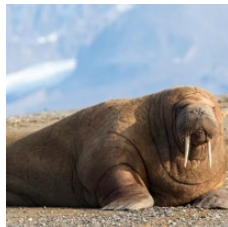
## 4. WALRUS

**Time Since Evolved:**  
17 million years ago



**Size in PPL:**  
Large Sofa  
Pillow

**Field Notes:** "I'm a pinniped not a fish. My whiskers help me find food on the dark ocean floor.



**In PPL:** Made mostly by Eli and Ida. Inside are several plastic bottles.

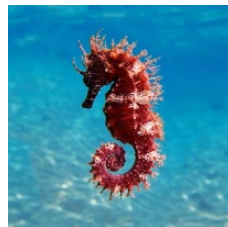
## 5. SEAHORSE (2)

**Time Since Evolved:**  
25 million years ago



**Size in PPL:**  
Sandwich

**Field Notes:** Seahorse babies are carried by male seahorses and have a swim bladder, which is an air-filled balloon-like organ that gives us buoyancy and helps us float. **In PPL:** -NUA/MEO



## 6. PUFFER FISH

**Time Since Evolved:**  
90 million years ago



**Size in PPL:**  
Soccer Ball

**Field Notes:**

Dolphins get high via my toxins (look it up) **In PPL:** What a nightmare I was to paper mache. My quills contain coffee stirrers. The most patient fingers led me here. - NUA/MEO



## 7. EEL

**Time Since Evolved:**  
3.5 million years ago



**Size in PPL:** One short legging

**Field Notes:** Like other eels, I eat chicken nuggets that might fall in the Woonasquatucket River. Is it still believed that we only breed in the Sargasso Sea?  
**In PPL:** -NUA/MEO



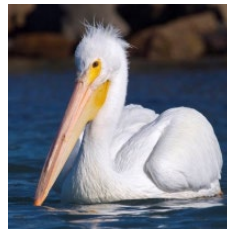
## 8. PELICAN

**Time Since Evolved:**  
35 million years ago



**Size in PPL:** Dog House (3ft wingspan)

**Field Notes:** "Pelican Pelican your beak can hold more than your belly can..." We have air sacks in our bones that help us fly!  
**In PPL:** -PVDYM



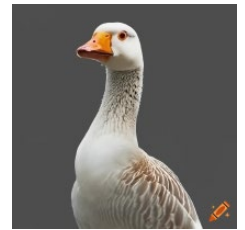
## 9. GOOSE (DUCK?)

**Time Since Evolved:**  
25 million years ago



**Size in PPL:** Small Dog

**Field Notes:**  
**In PPL:** This goose contains the beginnings of a duck, started by an elderly scientist at a conference in an intensely carpeted hotel down the street.  
-NEERS



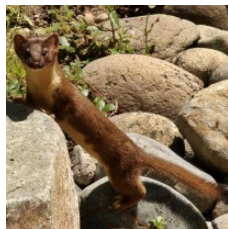
## 10. LONG-TAILED WEASEL

**Time Since Evolved:**  
6 million years ago



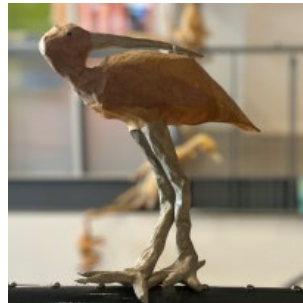
**Size in PPL:** Robust House Plant

**Field Notes:** Weasels in northern ranges turn white in the winter to camouflage with snow. Our change in color is triggered by length of day, not temp.  
**In PPL:** Ida and friends started me.



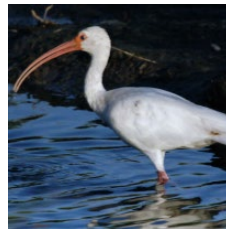
## 11. IBIS

**Time Since Evolved:**  
65 million years ago



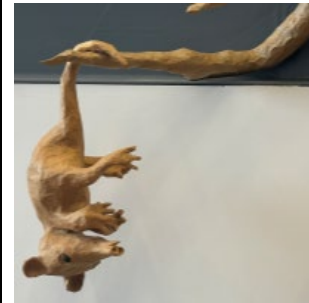
**Size in PPL:** Large Frying Pan

**Field Notes:** Admire my graceful legs? We've been all around the East Bay for a very long time and at the end of Public Street back when it was a salt marsh...



## 12. OPOSSUM

**Time Since Evolved:**  
65 million years ago



**Size in PPL:** A Big Purse

**Field Notes:** I'm the only marsupial that lives in North America. I might look terrifying, but I'm actually very docile. I eat ticks (one of the closest living relatives of horseshoe crabs...) See page for 125 of the BLOODTIDE holiday manual for tick protection spells.



### 13. VOLE

**Time Since Evolved:**  
2.5 million years ago  
**NOT AVAILABLE**



**Size in PPL:**  
Box of Tea

**Field Notes:**

Most of my kind live underground.  
**In PPL:** A child (now teen) built me and is taking me to my new home near Not Just Snacks.



### 14. DEER (DOG?)

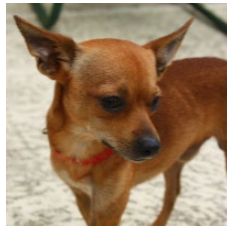
**Time Since Evolved:**  
Several holiday seasons ago/ 15ish thousand years ago



**Size in PPL:** A Big Human Hand

**Field Notes:**

**In PPL:** I'm actually an abandoned creature from a winter holiday display that escaped Eli's trunk and inserted myself in the timeline. I can come with or without my branch.



### 15. HUMMINGBIRD

**Time Since Evolved:**  
22 million years ago  
**NOT AVAILABLE**



**Size in PPL:**  
Waffle Iron

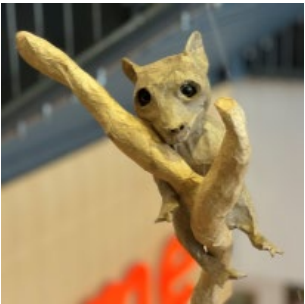
**Field Notes:**

Hummingbirds are the only birds that can fly backwards.  
**In PPL:** The same child (now teen) that built Vole, built me. I'm going home with both of them!



### 16. SQUIRREL

**Time Since Evolved:**  
36 million years ago



**Size in PPL:**  
A Small Hoagie

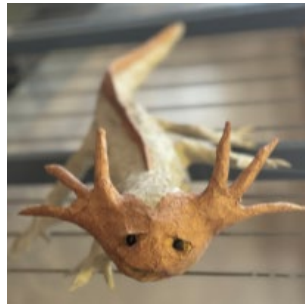
**Field Notes:**

My vision is excellent and my hair very fine. My front teeth never stop growing.  
**In PPL:** -PVDYM



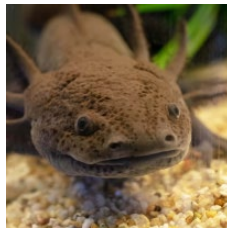
### 17. AXOLOTL

**Time Since Evolved:**  
.01 million years ago



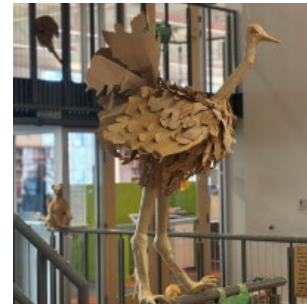
**Size in PPL:**  
Push Broom (No Handle)

**Field Notes:** I live underwater. I'm an endangered species. **In PPL:** I began to take form through the hands of some kids at a picnic table in Goddard park. -FW/PBGC - PVDYM



### 18. EMU

**Time Since Evolved:**  
80 million years ago



**Size in PPL:**  
Large Shrub

**Field Notes:**

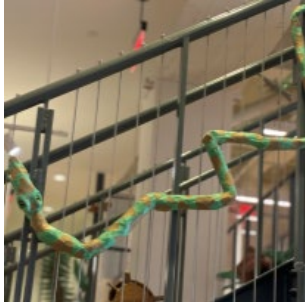
**In PPL:** You might have to wrestle 15 librarians to get me to come home with you. They've made me part of their flock. -PVDYM



## 19. SNAKE

**Time Since Evolved:**

On land around 128 million years ago



**Size in PPL:**  
5ish Feet  
of Hose

**Field Notes:** We can hear without any external ears! Tell me all your ssssssecretsssss?



## 20. STICK BUG

**Time Since Evolved:**

100 million years ago



**Size in PPL:**  
Large  
Mailbox

**Field Notes:**

My kind can regenerate lost limbs! If a predator grabs a leg, we can break it off using a special muscle and scuttle away. That limb will grow back the next time we molt!

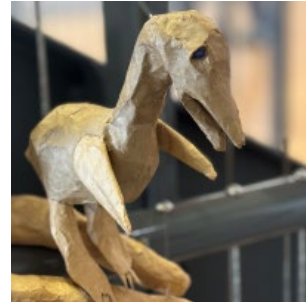


**In PPL:** I was largely constructed by a famous local potter.

## 21. BABY TURKEY

**Time Since Evolved:**

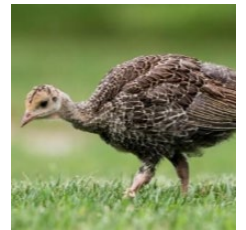
20+ million years ago



**Size in PPL:**  
A Human  
Child Foot

**Field Notes:**

Turkeys can run up to 35 miles per hour. You can enjoy us without stuffing yourselves full of settler colonial mythology. Mostly humans ate eels at the first thanksgivings anyway.



## 22. RABBIT WITH TEETH

**Time Since Evolved:**

40 million years ago



**Size in PPL:** Like a Big Snowball

**Field Notes:**

Rabbits show up hard for horseshoe crabs because the biomedical industry used to test for vaccine sterility using rabbits, but they now use horseshoe crab blood (and soon hopefully synthetic alternatives.)



## 23. TURTLE

**Time Since Evolved:**

15 million years ago

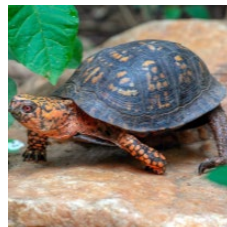
**NOT AVAILABLE**



**Size in PPL:**  
Large Pizza

**Field Notes:**

Green turtles are vegetarian, and bigger turtles live longer. The oldest turtle alive is (estimated to be) 191 years old. He hatched in 1832. The same year humans waged war on Emus in Australia.



## 24. BEETLE

**Time Since Evolved:**

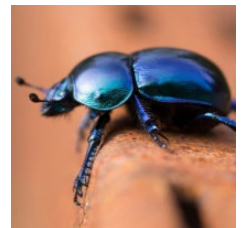
320 million years ago



**Size in PPL:**  
3 Cheese Puffs

**Field Notes:**

Beetles cannot see very well, so we communicate using pheromones, sounds or vibrations. **In PPL:** I'm the one of the only organisms made just of newspaper (not paper mache).



## 25. ALLIGATOR

**Time Since Evolved:**  
200 million years ago



**Size in PPL:**  
Small  
Ironing  
Board

**Field Notes:**

**In PPL:** Deidra, a legendary local trombonist started my snout, with the help of an egg carton. I come with or without my branch....



## 26. DRAGONFLY

**Time Since Evolved:**  
300 million years ago



**Size in PPL:**  
Ear of Corn,  
with Wings  
of Sprite  
Bottle

**Field Notes:**

Loss of wetland habitat threatens dragonfly populations around the world. We got famous in RI when we all converged on the beach last July.



## 27. WARTY TOAD

**Time Since Evolved:**  
200 million years ago



**Size in PPL:**  
Sled w/  
Carry-On

**Field Notes:**

Toads have glands in their skin that release bufotoxin, a toxic fluid that deters predators. **In PPL:** My warts were crafted by Jordan from Special Collections. -PVDYM



## 28. SALAMANDER

**Time Since Evolved:**  
350 million years ago



**Size in PPL:**  
A Really  
Long  
Burrito  
with Legs

**Field Notes:** We are nocturnal. We lay our shell-less eggs in the water. And some of us have tongues up to 10 times as long as our bodies.

**In PPL:** -FW/PBGC



## 29. TAPIR

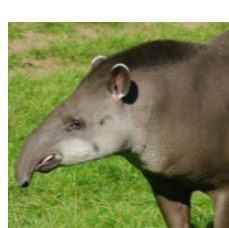
**Time Since Evolved:**  
30 million years ago



**Size in PPL:**  
3 Large  
Water  
melons

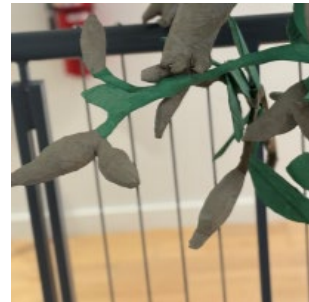
**Field Notes:** We are endangered. We are good swimmers.

**In PPL:** I started out as an aardvark and became a tapir as I developed. I'm frequently complimented on my rump.



## 30. MILKWEED

**Time Since Evolved:**  
20,000 years ago?



**Size in PPL:**  
3 strands,  
each the  
length of a  
2 Twizzlers  
with pods

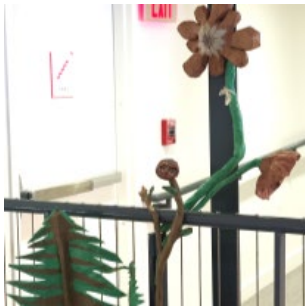
**Field Notes:**

We co-evolved with Monarch Butterflies. The first life jackets were filled with our fluff.



### 31. FLORA (WITH FLOWERING PLANTS)

**Time Since Evolved:**  
130 million years ago



**Size in PPL:**  
An Unruly Arrangement

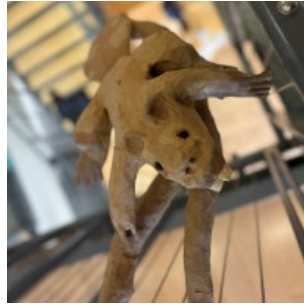
**Field Notes:**  
Flowers are thermogenic, meaning they can generate heat to attract pollinators.



**In PPL:** Our big leaves were begun with the help of Pvd City Councilperson Rachel Miller. -FW/SH

### 32. BEAVER

**Time Since Evolved:**  
11 million years ago



**Size in PPL:**  
2 Frisbees

**Field Notes:**  
Beaver teeth are usually orange. Our lips close behind our teeth allowing us to hold branches with our teeth, swim under water and not drown. We can stay under water for 15 minutes!



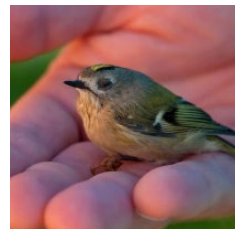
### 33. RED KNOT

**Time Since Evolved:**  
60 million years ago



**Size in PPL:**  
Hamburger with Bun

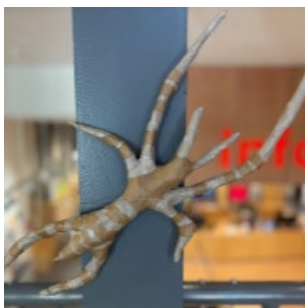
**Field Notes:** Our annual migration covers more than 9,300 miles round trip. We have a unique relationship with horseshoe crabs, the eggs of which we eat to fuel our migration. We are 'near threatened.'



**In PPL:** -NUA/MEO

### 34. ASSASSIN BUG

**Time Since Evolved:**  
180 million years ago



**Size in PPL:**  
Small Pizza

**Field Notes:**  
Assassin bugs are also known as "kissing bugs" because we like to bite the lips and eyes of humans while they sleep, sometimes transferring a parasite. **In PPL:** -FW/SH



### 35. SNIPE EEL

**Time Since Evolved:**  
150 million years ago



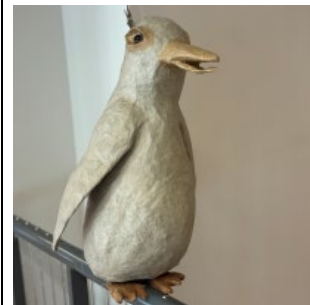
**Size in PPL:**  
Large Boomerang

**Field Notes:**  
We are found in every ocean. Our beaks resemble that of the Snipe bird. We are transparent when young. **In PPL:** -NUA/MEO -PVDYM



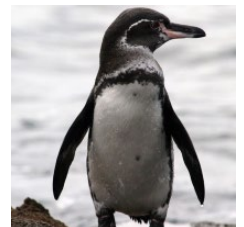
### 36. PENGUIN

**Time Since Evolved:**  
60 million years ago



**Size in PPL:**  
Fire Hydrant

**Field Notes:** Like most species, penguins can be gay. In 2010 many humans suddenly realized this. We have solid bones (not hollow!) which help us swim faster. And we don't have teeth.



### 37. OARFISH

**Time Since Evolved:**  
252 million years ago



**Size in PPL:** Half a Hula Hoop

**Field Notes:** We are sometimes known as "earthquake fish" because we are believed to surface before and after an earthquake.



### 38. FLOUNDER

**Time Since Evolved:**  
65 million years ago



**Size in PPL:** Small Pizza

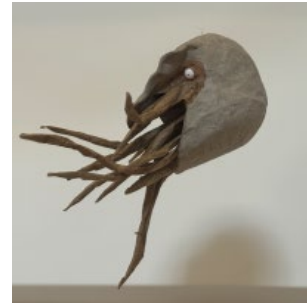
**Field Notes:** When we are born our eyes are on each side of our head, then we metamorphize and one eye migrates so both our eyes end up on the same side.



### 39. NAUTILUS

**Time Since Evolved:**  
Over 500 million years ago

**NOT AVAILABLE**



**Size in PPL:** Soccer Ball

**Field Notes:** I'm a mollusk. I may possess any number of tentacles. And I have 3 hearts. I was here before horseshoe crabs.



### 40. COCCOLITHOPHORE (PRIMORDIAL ALGAE BALL)

**Time Since Evolved:**  
542 million years ago



**Size in PPL:** Soccer Ball

**Field Notes:** I am a uni-cellular phytoplankton. I photosynthesize and live in sunny parts of the ocean. **In PPL:** It was only the vast patience of several kind nerds that carried my detailed form to completion.



### 41. WOLF FISH

**Time Since Evolved:**  
249 million years ago



**Size in PPL:** Push Broom (no handle)

**Field Notes:** We make anti-freeze in our blood so we can swim in cold water. And we have tons of teeth.



### 42. SHARK

**Time Since Evolved:**  
420 million years ago



**Size in PPL:** Long Loaf of Bread

**Field Notes:** We have no bones! Just cartilage. We have electroreceptor organs and can go into a trance if you rub my belly.





### 43. OCTOPUS

Time Since Evolved:  
300 million years ago



**Size in PPL:**  
Half a Hula Hoop with Houseplant in the Middle

**Field Notes:** We can change color based on our mood and I also have 3 hearts (like a nautilus) and blue blood (like a horseshoe crab.)



### 44. BAOBAB TREE

Time Since Evolved:  
50 million years ago



**Size in PPL:**  
Toaster Oven

**Field Notes:** We can store large amounts of water in our trunks. I'm sometimes called the "tree of life" cause I provide other organisms shelter, food and water. Some of us have been here for 2500 years!



### 45. TRICERATOPS

Time Since Evolved:  
155 million years ago



**Size in PPL:**  
Mail Box

**Field Notes:** We are substantial. We can be 30 ft long and 8 ft tall. We have several rows of teeth; we are herbivores. We were one of the last dinosaurs to evolve and one of the last to go extinct.



### 46. BRONTOSAURUS

Time Since Evolved:  
155 million years ago



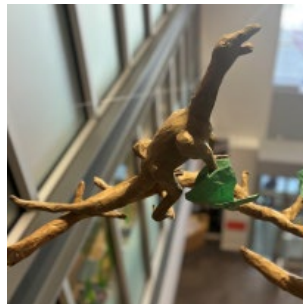
**Size in PPL:**  
Post Box

**Field Notes:** Many people's favorite dinosaur, we are considered to be the largest animals ever. Probably it was the volcanic activity that finally took us out.



### 47. TINY BRONTOSAURUS

Time Since Evolved:  
74.2 million years ago



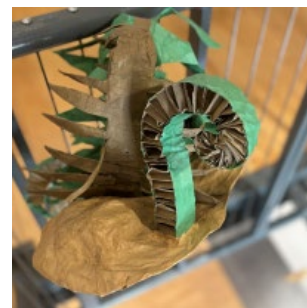
**Size in PPL:**  
Large Thermos

**Field Notes:** In PPL: The beads that are my eyes (and became eyes of many other organisms) were obtained on a thrilling trip to Wolf E Myrow Jewelry warehouse on Aleppo Street next to the endangered Atlantic Mills.



### 48. FERN CLUSTER

Time Since Evolved:  
430 million years ago



**Size in PPL:**  
Large Lunch Box

**Field Notes:** We reproduce by spores not seeds. We are very sensitive to frost and have been here longer than most other land plants. Marvel at my spiraling fronds!

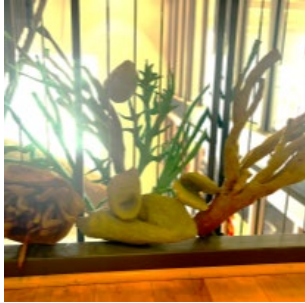


## 49. UNDERWATER SCENE

(EELGRASS, QUAHOGS AND PERIWINKLE)

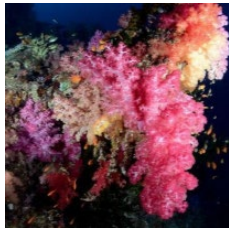
**Time Since Evolved:**

470-550 million years ago



**Size in PPL:** Large Fish Tank

**Field Notes:** As a tree grows rings, the layers in a quahog shell equals the age of the clam. Eelgrass stabilizes sediments and reduces erosion. Globally, we're losing an area of eelgrass that would cover two football fields every hour. Meadows of it used to blanket what is now the capped brown fields of Allens Ave.



## 50. DOUBLE ANGLER FISH

**Time Since Evolved:**

60 million years ago



**Size in PPL:** Medium Dog

**Field Notes:** We are sexually dimorphic, which means members of the same sex and exhibit different characteristics.



We can get very deep- sometimes down to 7,566 ft!

## 51. MINNOWS

**Time Since Evolved:**

150 million years ago



**Size in PPL:** Dinner Plate

**Field Notes:**

We travel in schools. We can release a chemical called "alarm substance" when attacked.



This chemical signals to other fish that there is a predator nearby, which could help them escape. We know how to look out for each other.

## 52. STINGRAY

**Time Since Evolved:**

150 million years ago



**Size in PPL:** Super X-Large Pizza

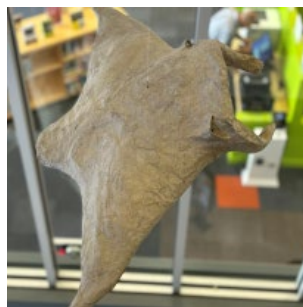
**Field Notes:** We live alone, coming together for breeding and migration. We never stop swimming and migrate to feeding grounds each year. Sometimes there's as many as 10,000 of us, known as a "fever" of rays. This time I travel alone.



## 53. MANTA RAY

**Time Since Evolved:**

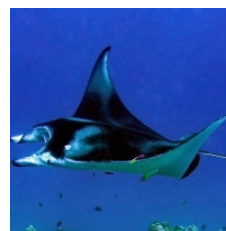
28 million years ago



**Size in PPL:** Super X-Large Pizza

**Field Notes:** We have the largest brain-to-weight ratio of any fish.

**In PPL:** A RISD student wandered into the workshop and busted me out in one afternoon of newspaper sculpting.



## 54. GIANT TRUMPET FUNGUS

**Time Since Evolved:**

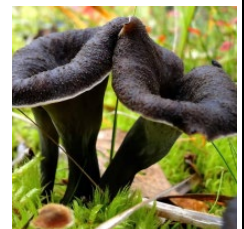
1 billion-ish years ago



**Size in PPL:** Dog House

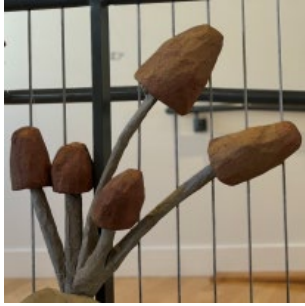
**Field Notes:**

**In PPL:** I evolved as part of PPL's Re-Wilding project that Becci, Andrew and others cooked up pre-pandemic. Eli found me in the maker's space. I was augmented and reinforced and became part of this timeline.



## 55. MUSHROOMS

**Time Since Evolved:**  
1 billion-ish years ago



**Size in PPL:**  
A Few  
Adult  
Human  
Arms

**Field Notes:** An estimated 3.8million fungi exist worldwide – and yet, more than 90% of us are currently unknown to “science.” We are powerful.



## 56. CHICKEN OF THE WOODS

**Time Since Evolved:**  
1 billion-ish years ago



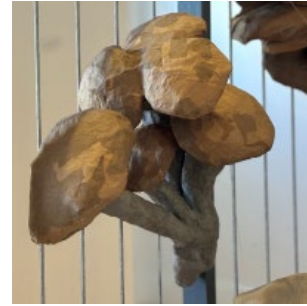
**Size in PPL:** Large  
Pizza Wad

**Field Notes:** We are tasty and good for your immune system. We stimulate cognitive function, protect against UV ray damage, and regulate blood sugar levels.



## 57. TOADSTOOLS

**Time Since Evolved:**  
1 billion-ish years ago?



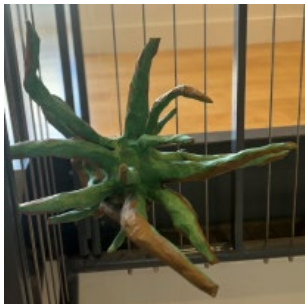
**Size in PPL:**  
Giant Head  
of Broccoli

**Field Notes:** Some of us are poisonous or carnivorous but others. . . we just provide a soft spot for a toad’s bottom.



## 58. GIANT ALOE

**Time Since Evolved:**  
245 million years ago



**Size in PPL:**  
Short Fire  
Hydrant

**Field Notes:** Aloe gel is antimicrobial and can promote wound healing and soothe burns. I’m a good one to have around as the planet heats up.



## 59. ANT

**Time Since Evolved:**  
168 million years ago



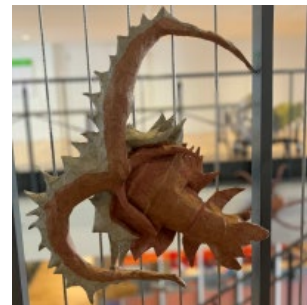
**Size in PPL:**  
Human  
Thumb

**Field Notes:** I can carry up to 50 times my body weight and live longer than most other insects, sometimes 30 years! Normally we live in groups called formicaries but currently I’m flying solo.



## 60. PRIMORDIAL LOBSTER (PALINURINA)

**Time Since Evolved:**  
200 million years ago



**Size in PPL:**  
Hubcap

**Field Notes:** I’m an early crustacean with a space-age feel. I am old but hopefully still approachable.



## 61. JELLYFISH

Time Since Evolved:  
500 million years ago



**Size in PPL:**  
Large  
Hoagie

**Field Notes:** We are 95% water. We have no bones, brain, or heart. But some species of us glow and others are immortal...



**In PPL:** -NUA/MEO

## 62. MORAY EEL

Time Since Evolved:  
3.5 million years ago



**Size in PPL:**  
Two Push  
Brooms (no  
handle)

**Field Notes:** We have a mutualistic relationship with cleaner shrimp, which eat parasites, bacteria, and dead skin off our bodies, which are scaleless and covered in a mucus coating. But I'm good company!



**In PPL:** -NUA/MEO

## 63. TARIGRADES (AKA WATER BEARS) (AKA MOSS PIGLETS)

Time Since Evolved:  
Over 550 million years ago



**Size in PPL:** Small  
(6 of them)

**Field Notes:** We are the only animal that can survive in space. We are microscopic. We can suspend our metabolisms to hibernate. Most of us were built by Kotone.

