

CITIZEN SCIENCE CHECKLIST

Bean Life Science Museum

Complete 10 challenges and bring your list to the museum to get a sticker!

Complete 20 challenges and bring your list to the museum to get a patch!

*It may be helpful to designate a notebook as an observation journal to record your findings.

1. Identify at least 4 different bird species.

- o Here are some birds you might see:



Common Raven



Black-capped Chickadee



Mallard



American Robin



Black-billed Magpie



Canada Goose



Mourning Dove

I completed this challenge: _____

2. Learn 2 bird calls.

I completed this challenge: _____

3. Find a bird's nest and observe it from a distance (*It is very important to not disturb an animal's home in the wild, but you can watch from a safe distance to see the birds come and go*).

I completed this challenge: _____

4. Make a birdfeeder (*use this to help you observe and identify bird species! You can cover a toilet paper roll with peanut butter and birdseed and hang it in a tree*).

I completed this challenge: _____

5. Feed ducks healthy snacks and observe them. (*Do not feed ducks bread or processed foods. Feed them corn, grapes cut in half, or peas.*).

I completed this challenge: _____

6. Identify at least 5 different insect species.

o Here are some insects you might see:



Earwig



Lacewing



Dragonfly



Box Elder bug



Grasshopper



Crane fly



Ladybug



Ten lined June bug

I completed this challenge: _____

7. Observe ants for 5 minutes. Record what you observe the ants doing.

I completed this challenge: _____

8. Draw an insect that you observe in nature.

I completed this challenge: _____

9. Identify at least 2 different shrub species.

o Here are some shrubs you might see:



Sagebrush



Rubber Rabbitbrush



Japanese Spindle tree



Red-osier dogwood

I completed this challenge: _____

10. Plant a seed.

I completed this challenge: _____

11. Identify at least 3 different tree species.

o Here are some trees you might see:



Norway Maple



Douglas fir



Colorado blue spruce



Japanese Zelkova



Boxelder Maple



Bur Oak



Ginkgo tree

I completed this challenge: _____

12. Explore a new place! Describe new plants/wildlife you see: *(you can go on a nature hike or walk around a pond or river!).*

I completed this challenge: _____

13. Press a flower and identify it *(Scientists often press plants to keep them in their records).*

I completed this challenge: _____

14. Make a leaf rubbing *(put a piece of paper on top of a leaf and rub a crayon over the paper).*

I completed this challenge: _____

15. Find a pinecone and try and figure out which kind of tree it came from.

I completed this challenge: _____

16. Find a tree stump and count the rings *(the number of tree rings will tell you how old the tree was when it got cut down or fell over).*

I completed this challenge: _____

17. Pull a weed from your garden. Identify the roots, stem, and leaves.

I completed this challenge: _____

18. Recycle 2 pieces of trash instead of throwing them away (you can recycle things like water bottles and aluminum cans).

I completed this challenge: _____

19. Clean up 5 pieces of litter (Let's keep the planet clean and beautiful).

I completed this challenge: _____

20. Find 3 non-living things in nature. How do they help living things? (Rocks, soil, water, etc.).

I completed this challenge: _____

21. Observe the shapes of the clouds. Draw out the water cycle and the role that the clouds play.

I completed this challenge: _____

22. Identify 1 mammal species.

- o Here are some mammal species you may see:



White-tailed deer



Beaver



Ground Squirrel



Chipmunk

I completed this challenge: _____

23. Create a piece of artwork with things you find outside (you can use leaves, flowers, sticks, rocks, the possibilities are endless!).

I completed this challenge: _____

24. Upload at least 1 photo to iNaturalist (iNaturalist is an app and website that helps keep track of nature in a community. It is free to use and helps add to scientific databases.).

I completed this challenge: _____

25. Complete 3 of the activities suggested in the Bean Museum's field trip videos.

I completed this challenge: _____

26. Submit a question about this week's "organism of the week."

I completed this challenge: _____

27. Submit a question to "ask a scientist."

I completed this challenge: _____