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11/7/25
8th grade Science
Science Fair Logbook

Logbook

Title:

- Which flowers attract the highest number of bees?

Objective:

- In this experiment I will be testing which flowers attract the highest number of bees.

Statement of the Problem:

- The problem in this experiment is figuring out which flowers attract the highest number of bees. The purpose of this experiment is helping other gardeners. I want to do this experiment because bees are good at pollination. I've never really planted flowers before and I think it would be a fun project to do. This information could help people know which flowers to plant and how to take care of them for bees or it could show them which flowers to not plant if they want to avoid bees.

Dependent and Independent Variable:

- Independent- the flowers
- Dependent- the number of bees
- Control- soil, watering schedule, environment, light exposure

Hypothesis:

- If you plant different types of flowers, then the numbers of bees will change because they could be attracted to different flowers.

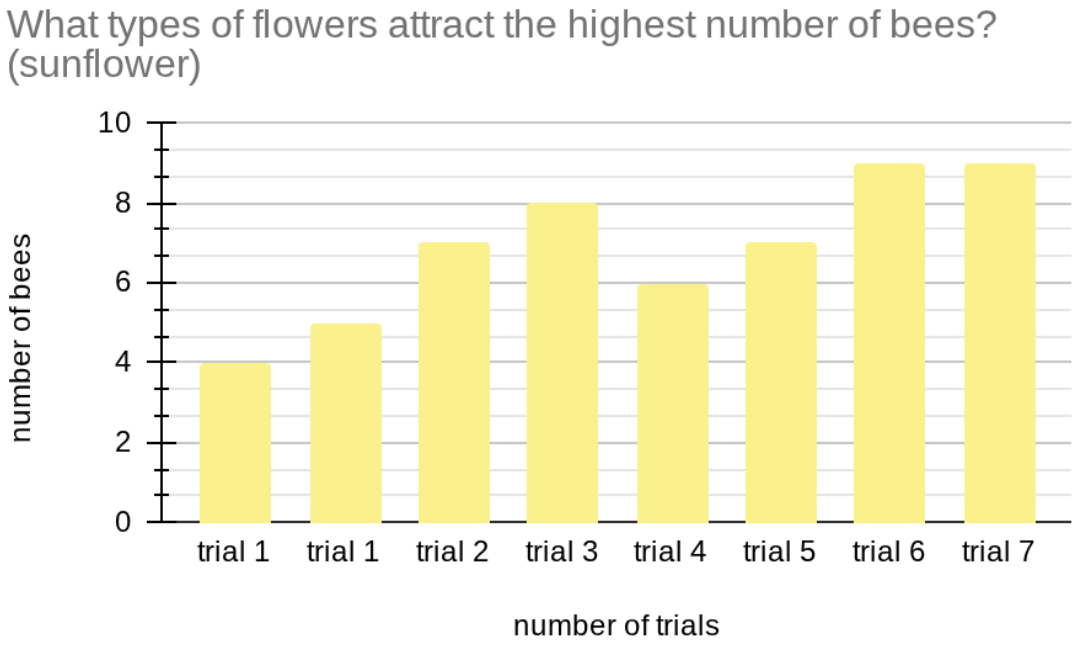
Materials:

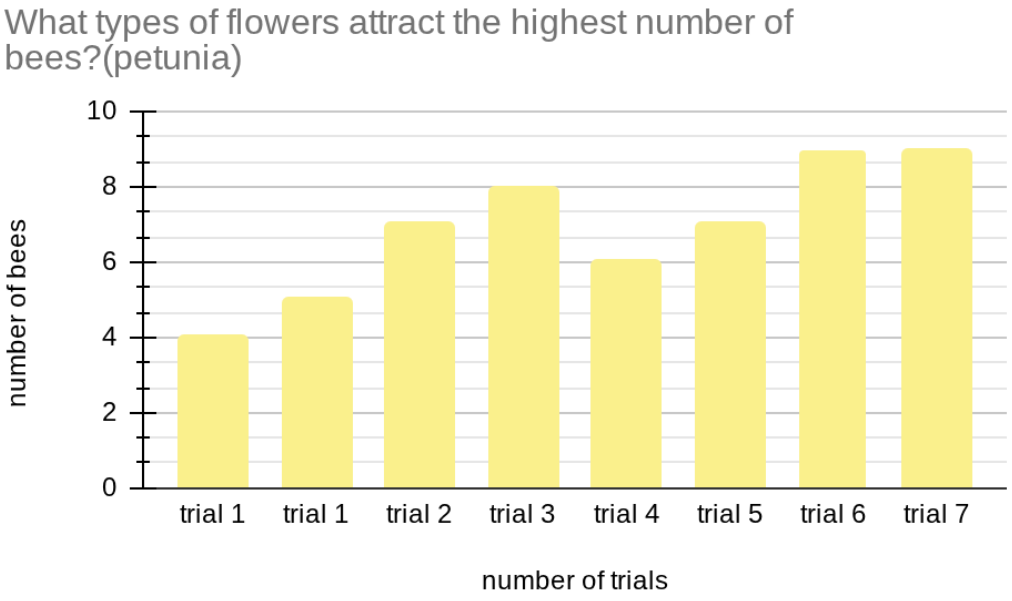
- 3 bags of loam soil
- Flower seeds-(sunflower,mandeville,petunia)
- water

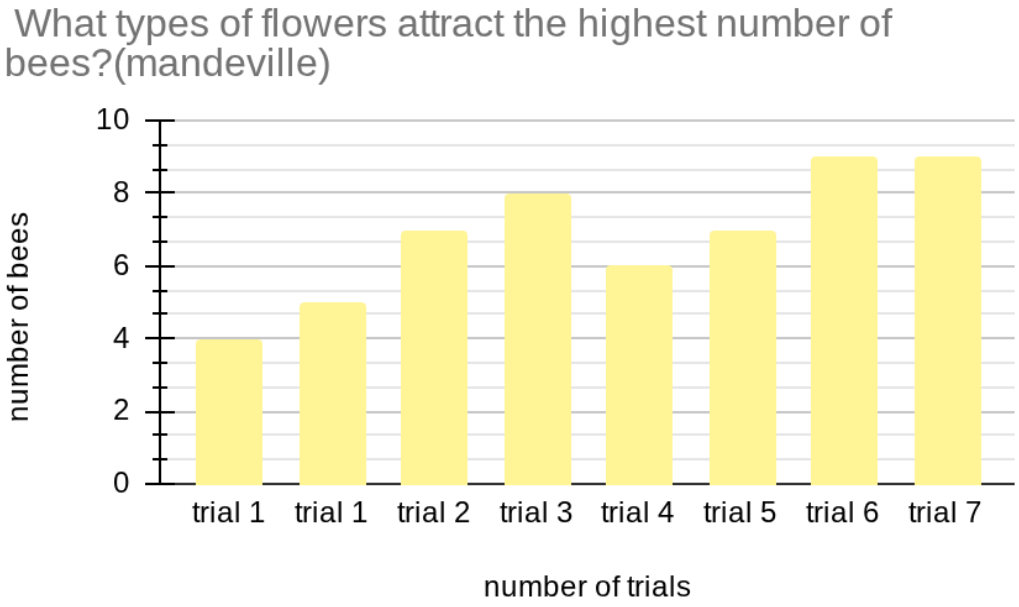
Procedures:

- 1-Conduct a minimum of 7 trials
- 2-Plant 1 of each; sunflower seeds,marigold seeds, and petunias in loam soil
- 3-Measure 50 mL of water
- 4-Pour the water onto the seed.
- 5-Repeat until flower is fully grown
- 6-Record how many bees are flying to your flowers
- 7-Repeat.

Results:







- The results of this study showed that the sunflowers attracted the most bees out of the petunia and mandeville.

Conclusion:

1. The objective of this experiment was to see what types of flowers attract the highest number of bees. The objective was accomplished because I saw what flower had the most bees attracted to it. The results showed what flower the bees liked the best.

2. My hypothesis was supported by the results of the experiment. I predicted that each flower would have different amounts of bees. After conducting the experiment, I found that each flower had a different number of bees.
3. An analysis of my results showed that the sunflower was a favorite among the bees. The Mandeville and the Petunia also had a lot of bees, but not as many as the Sunflower. The results show that the bees liked the sunflower.
4. What I learned from this lab was that it is important for bees to have flowers that they like to make pollinating easier for them. It also shows what to and what to not plant if you do or do not want bees in your garden.
5. What I would do differently is have more trials to see if the amount of bees increase or decrease. I would change the types of flowers and compare the number of bees. Instead of just having three flowers, I could have more or I could just have two and see which flower the bees like best.

References:

- Harman, A. (2022). *A List of Plants That Attract Bees.* Retrieved on October 10, 2025 from https://backyardbeekeeping.iamcountryside.com
- Kearney, H. (2016, May 11). *TOP 10 BEE-FRIENDLY FLOWERS.* Retrieved on October 10, 2025 from https://beekeepinglikeagirl.com/
- Rodrigues, K. (2018). *6 Awesome Plant Types That Will Attract Bees to Your Garden.* Retrieved on October 10, 2025 from https://bestbees.com