Treating Valley Fever with Doggie Cookies: Peanut butter or Pumpkin?

Category: ANI

Our project was about which type of healthy cookies a Australian Kelpie mix named Leo with valley fever, would like better. Our Hypothesis was sort of correct because he liked both but liked the pumpkin a lot more than the peanut butter. If we were to do this again we would bake a different flavor of cookie so we could see if pumpkin has some competition. Leo choose the pumpkin by a absolute landslide 4 to 1. Why had a struggle on this project because of the mold that infected our first batch of cookies which then resulted in figuring out that Vitamin C helps out with mold. Our project will help the world because it will show everybody that you can give your dog medicine just plainly you can make it fun for you and the dog.

IDEAS

Our idea is to make cookies for Leo who has valley fever and he has to take painkillers or we are going to make the same thing just kibble form.

Or

Introduction

What helps all dogs? Special made dog cookies! Leo has a sickness called valley fever and he has to take painkillers and different pills to help. So we are making some cookies to help him. Since you can’t bake painkillers we’ll make them sprinkles by crushing them up. Don’t worry the painkillers will still work when we crush them.

Research

We learned that dogs can’t have sugar, Painkillers can't be baked, Dogs can have pumpkin seeds, Dogs can have cooked eggs and flour, Dogs can’t have xylitol, and Dogs can have most peanut butter brands. The peanut butter brands that dogs can have are Whole Foods’ 365 brand smooth peanut butter, Teddie Super Chunky Peanut Butter, Poochie Peanut Butter, Trader Joe’s Peanut Butter (No Salt),Laura Scudder’s Peanut Butter Old Fashioned Smooth Unsalted, and Jif. For crunchy treats you should cook it at 400℉. For softer cook at 350℉. We found out if we put more ingredients in with vitamin C it will fight back against mold after we baked the first batch.

Hypothesis

We think that Leo will like the peanut butter cookie more than the pumpkin cookie. Although there is a possibility he'll like both.

Or

Procedures/Materials

Procedures:

First preheat oven to 350℉

Then make the dough(add different ingredients based on the cookie recipe).

Add peanut butter or pumpkin to the dough and ingredients that include vitamin c

Put the dough on parchment paper in circles

Put the parchment paper in the oven & bake

Take them out after 10-15 minutes

Add the painkillers on peanut butter

Have your dog eat their cookie without having them know it helps them.

Materials:

- Peanut butter
- Pumpkin puree
- Eggs
- Flour
- Painkillers
- Leo
- Parchment paper
- Cooking gloves
- Oven
- Parental Supervision

Results

Day1: The test subject chose pumpkin without hesitation, pumpkin might be a favorite. A couple days later the cookies got mold on them and became inedible we will rebake the cookies sometime in winter break.

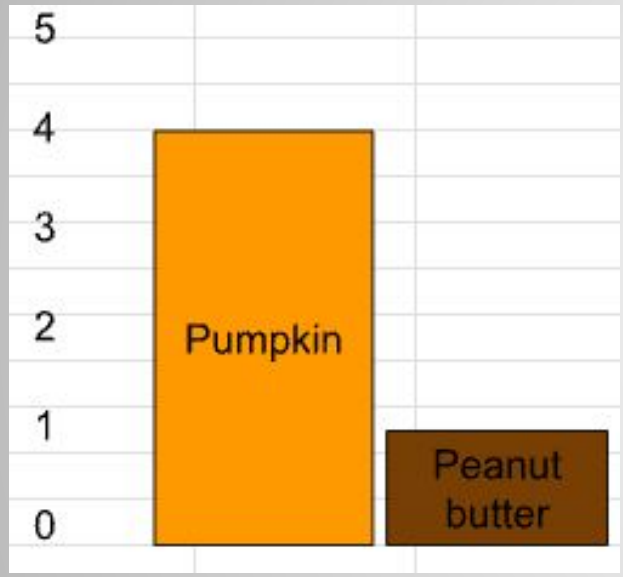
Day1 (redo bake):The test subject chose peanut butter and the cookies took longer to mold because of some ingredients that had Vitamin C.

Day2: The test subject chose pumpkin.

Day3: The test subject chose pumpkin.

Day4: The test subject chose pumpkin.

Results #2



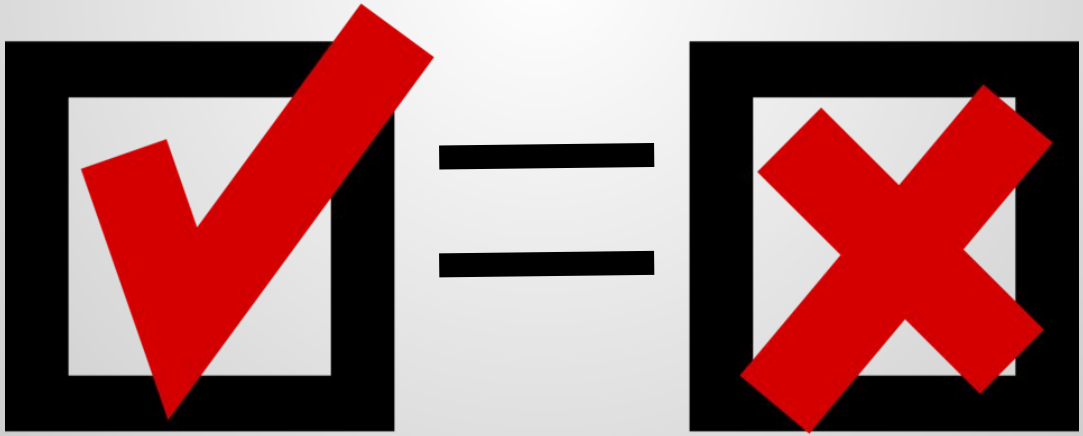
Type of cookie

Numbers = How many times Leo chose each cookie

Some ingredients that we put in.

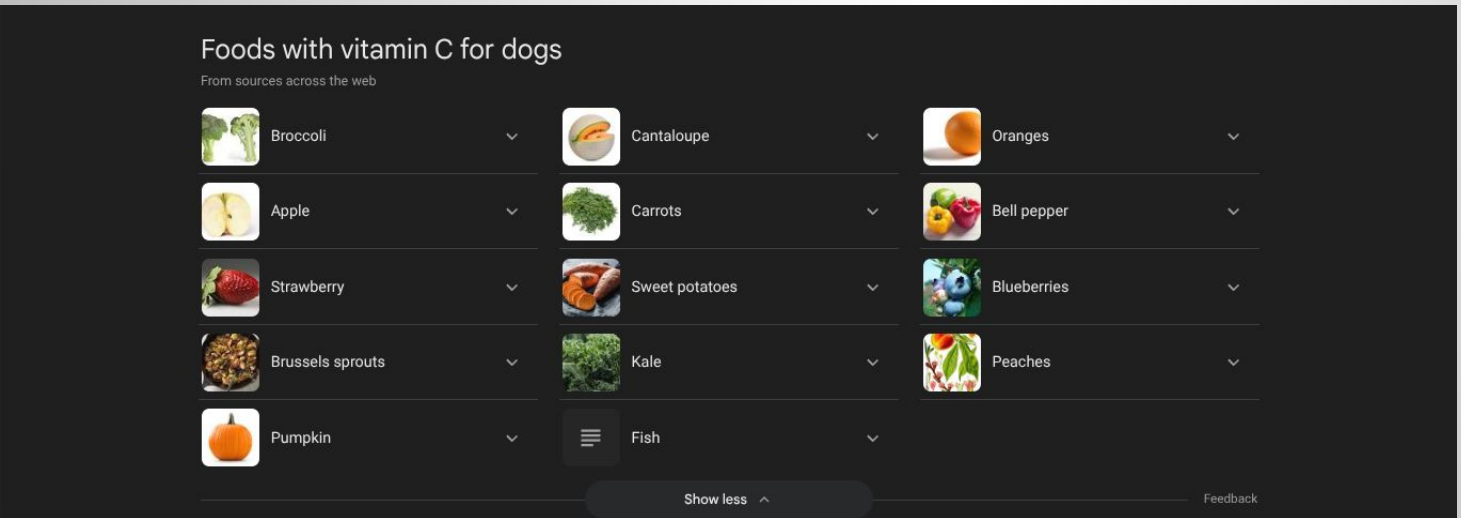
Conclusion/Discussion

Are Hypothesis was semi-right because we said Leo might like the peanut butter cookies more but we also said Leo might like both. Although he overwhelming chose the pumpkin cookie, next time we should maybe do a different flavor cookie versus the pumpkin cookie to see if it has some competition.

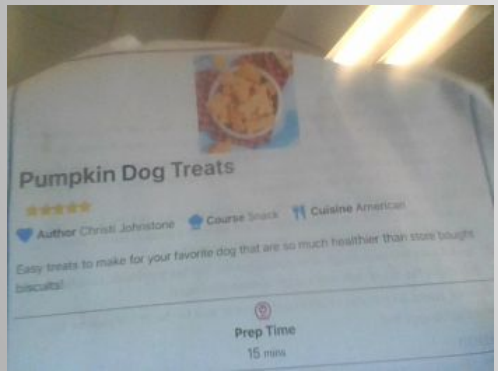


Scientific Journal

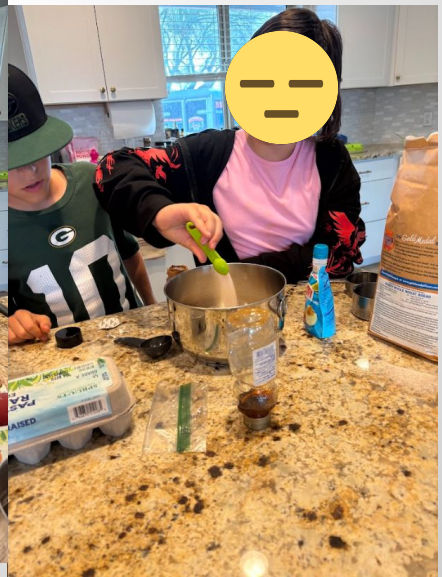
The pumpkin cookies smelled a lot like cinnamon. We made holes in the cookie to put the pill. The pumpkin dough was sticky, and there was more ingredients for the pumpkin cookies which obviously makes the peanut butter cookies easier. Things with vitamin c will help with the mold.



Scientific Journal #2

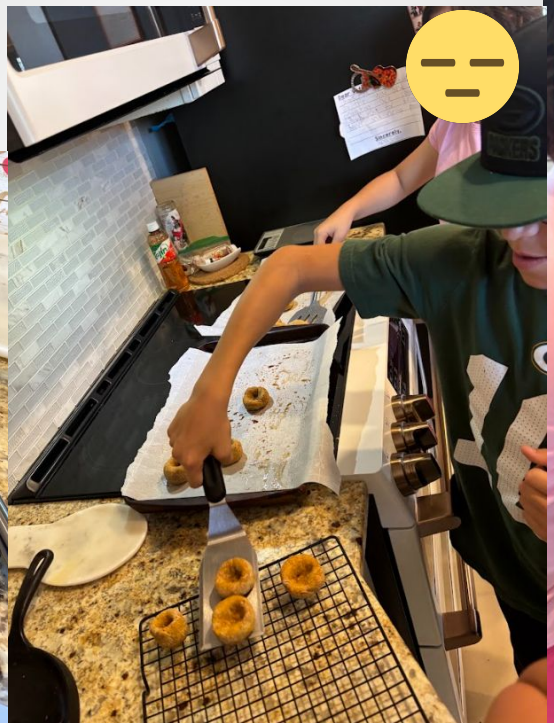


Baking the cookies



Scientific Journal #3

Taking out the cookies



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References

Introduction
(DUE January 28th)
How did you come up with your idea, what inspired you, what questions did you ask? What is the purpose of your project - who will it impact?

Research
What topics did you research to learn more about your question/idea?
(DUE October 22)

Hypothesis/Prediction
(DUE October 29th)
Science Experiment: If then statement (If I do this, then I think this will happen)
Engineering Project: What is the problem you are addressing and what are you making to solve the problem?

Title (catchy title that gets reader's attention)
Abstract - paragraph with key terms that describes the main idea of your project and the results (to be used for SARSEF registration if chosen).
Category - what category does your project fit under? (https://sarsef.org/fair/categories/)
(DUE February 6th)
***Include pictures throughout your presentation with captions explaining what is going on in the pictures. Pictures should be anonymous and not have student's face. **SLIDESHOW CAN HAVE UP TO 15 SLIDES**

Procedures/Materials
(DUE November 19th)
Describe everything used so that others could replicate your project, include 5 or more repetitions for your results

Results
(DUE January 14th)
35
Add graphs and tables to show your data

Conclusion/Discussion
(DUE January 21st)
Explain your results. What happened, did anything go wrong? What would you do differently? Will you continue this project?

****START
October 1st: IDEAS DUE
**Student Presentations: February 9-13

Scientific Journal (USE THROUGHOUT THE WHOLE PROJECT)
Add pictures of your hand written journal/work - help the judges see who you are through your work!

References
(Keep Track of books, websites, experts, documentaries)