

Planting Science Experiment


How do plants grow with changing
environmental conditions?





Question We Investigated

Will the amount of water given to the plant each day affect its growth and health?



Experimental Variables

Test Variable:

Plant Height

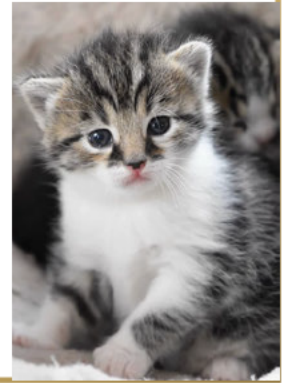
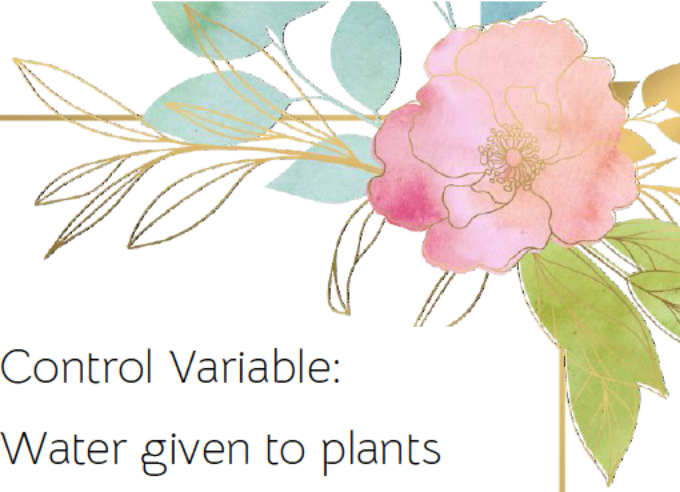
Dependent Variables:

Plant health

Dampness of soil

Control Variable:

Water given to plants



Materials


Backyard soil, In House, room temp water, 1 egg carton sized container per Pea.





Procedures

We will fill 2 egg carton sized thing with backyard soil and put a pea seed in each egg carton sized thing. Each day at 2:50 we will water each plant. The first plant we will water 1 teaspoon of lukewarm water and another plant with 1 1/2 teaspoon of lukewarm water for about 2 - 3 weeks. We will record our discoveries every day also at 2:50. Seed 1 is the 1 teaspoon seed and seed 2 is the 1 1/2 teaspoon seed.



Data

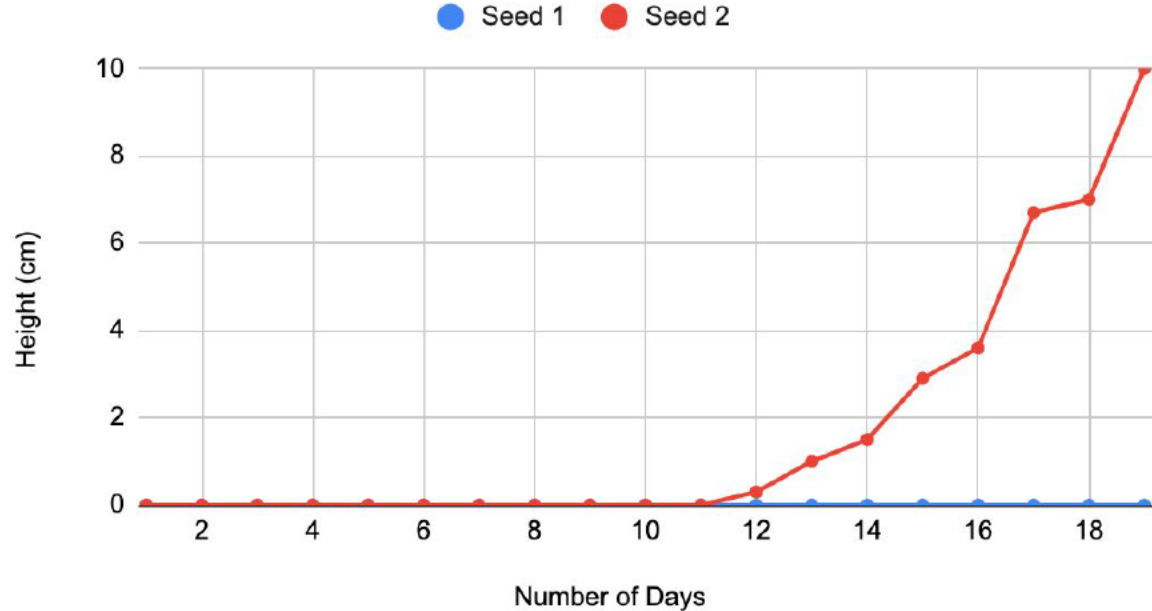


Please use this link to get onto the google sheet and look at the data



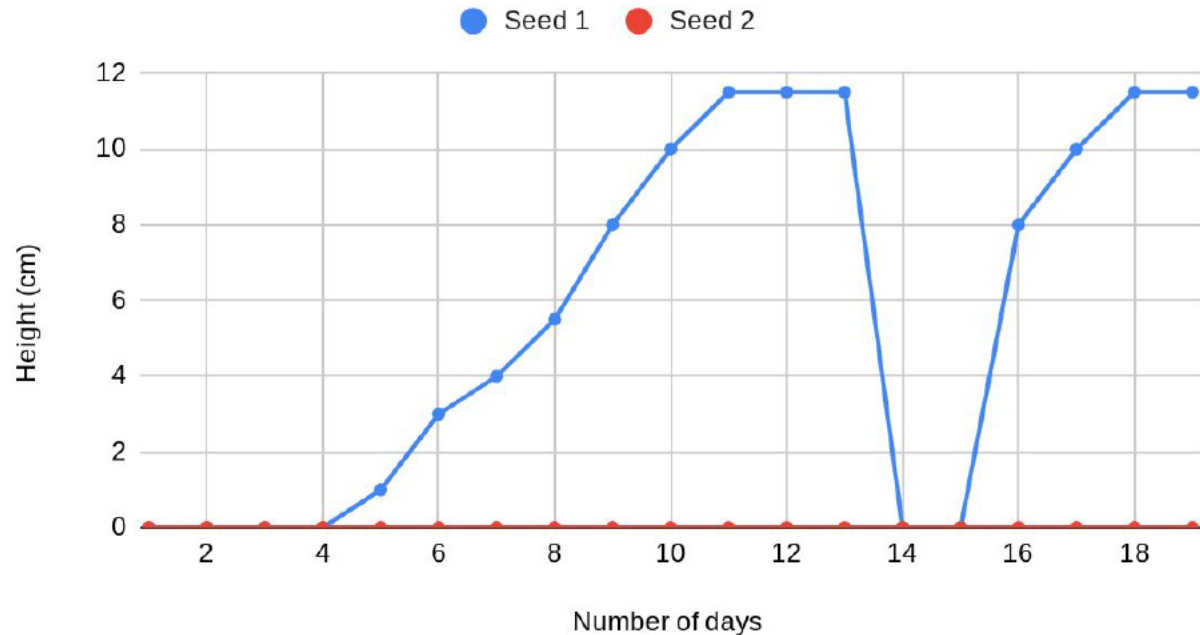
Yoavs Graph

Yoav's Growth (Cm) In Seed 1 and Seed 2 over 19 days



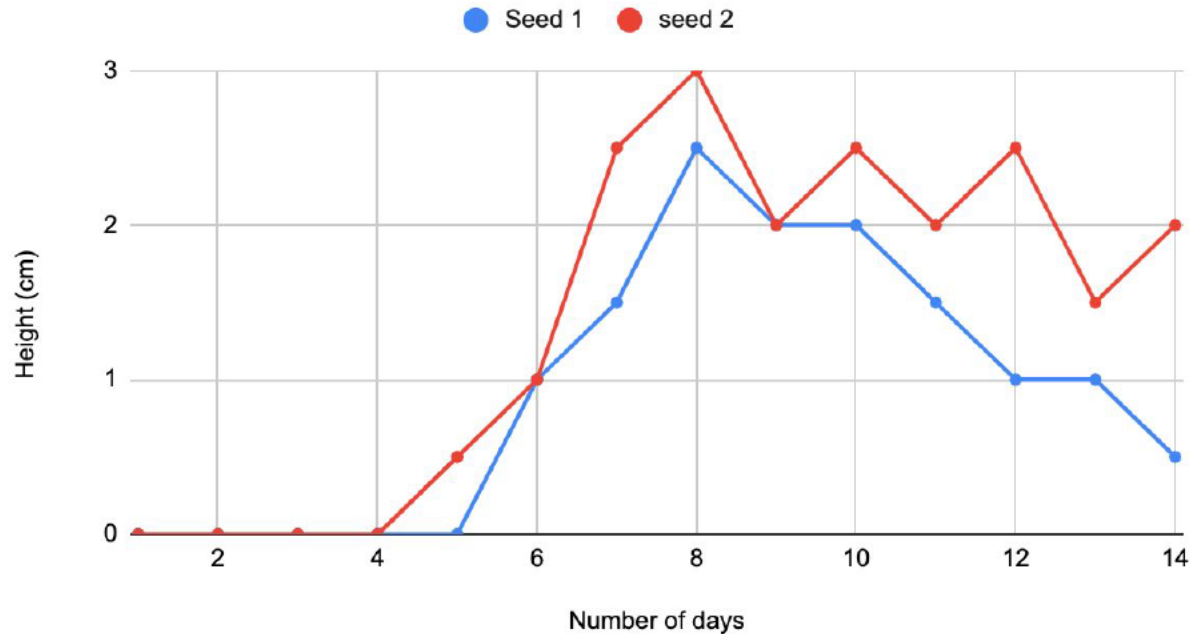
Toby's Graph

Toby's Growth (Cm) In Seed 1 and Seed 2 over 19 days



Benjamin's Graph

Benjamin's Growth (Cm) In Seed 1 and Seed 2 over 19 days



Data Analysis and Conclusion

Our conclusion is that we are still unsure of how much water the plant needs because Tobys seed that was given more water didn't grow at all and Yoavs seed with less water didn't grow at all and Benjamins seeds both grew but the seed with more water grew more.

So we could say that the seed with more water grew more but there is still a chance that the seed won't sprout or grow at all

