

JAMES & ASHTON'S

## SCIENCE FAIR PROJECT

December 29, 2024

- planted radish red belle seeds (1 seed per pot)
- planted 4 plants / condition total 12 pots (compostable)
- labeled A, B & C
  - A = control - no music
  - B = rap music
  - C = classical music
- The Answer potting soil
- planted each seed ~ 1cm beneath soil. (measured)
- watered w/ 1/4 cup water to each plant (will water after school)
- placed plants under grow light. timer set @ 16 hr/day <sup>every 2 days</sup>
- play music @ night 9pm - 8am
- grow box (sound dampening) built out of fiber board.
  - 45 x 12 x 12
  - ↳ each compartment 15 x 12 x 12
- LED full spectrum light - Barrina

Dec 30<sup>th</sup> 2024

day 1

We change overnight

Day 2 Dec 31 2024

No change yet, watering  
today

~~DAY 3~~  
~~No change to plants~~  
~~DAY 4~~

DAY 3 Jan 1 2025

Today it appears that there  
is a plant sprouted in group  
A (only 2-4) still no sprout  
in any other plants

DAY 4 Jan 2, 2025

All 4 plants in A, B, and C  
have sprouted. We decided not to  
water because the soil was  
damp from last watering.

DAY 5 January 3<sup>rd</sup> 2025

Today we watered the plants  
1/4 cup of water and  
~~all~~ all the plants ~~well~~  
~~watered~~ after doing well

DAY 6 Jan 4<sup>th</sup> 2025

Today we started measuring the  
plants from the soil to the  
top and labeled each plant  
1-4 for each group

\* See table 1

DAY 7 Jan 5<sup>th</sup> 2025

today we took measurements  
on the plants again

\* See table 1

DAY 8 Jan 6<sup>th</sup> 2025

today watered and measured  
plants

\* See table 1

DAY 9

Jan 7<sup>th</sup> 2025

today measured plant growth  
\* see table 1

DAY 10 Jan 8<sup>th</sup> 2025

measured plant growth  
\* see table 1

DAY 11 Jan 9<sup>th</sup> 2025  
watered and measured  
plants \* see table 1

P.S. watered plants  
1/4 of water each

DAY 12 Jan 10<sup>th</sup> 2025  
measured plant growth  
\* see table 1

DAY 13 Jan 11<sup>th</sup> 2025  
measured plant growth  
\* see table 1

Partner 1 ↑

JAN 12

Watered plants 1/4 c  
music is helping the plants

JAN 13 <sup>part of</sup>  
Picked <sup>up</sup> 1/2 cup on group B  
1

measured plants

JAN 15 watered plants  
measured plants

JAN 18

measured plants, watered

JAN 20

Watered, plants very dry especially  
bigger ones

JAN 22

measured pap is a lot better

A is now doing better than

C it just got ahead. SWI (wire

head phone was not working

Watered

JAN 24

measured plants. plants didn't  
have enough water so we  
gave them extra

Noticed plants "shrank" when measured  
while dry. Waited <sup>1.5</sup> hours after  
watering to measure