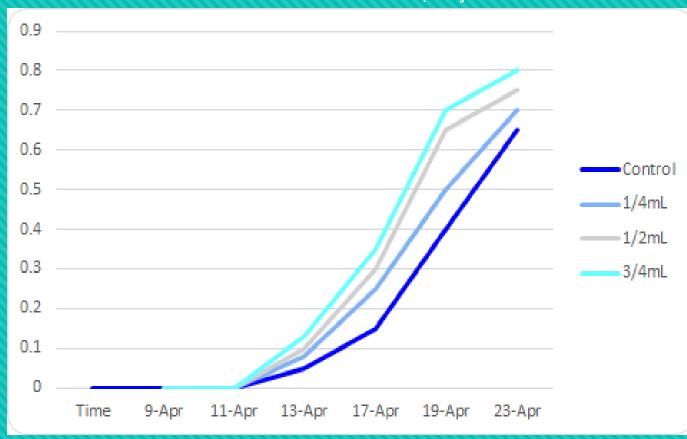
Thanks to Chelsea
Pretz for the help with
our project!

Prediction: By adding compost tea we boosted the percentage of germination and had our spores growth faster when more compost tea was added. Compost tea is the result of pouring boiling water through compost and sifting the compost so only the boiling water that has run through it remains.

Research question:
How would adding
different amounts of
compost affect the
germination and
growth of the spores?

What We Would
Change: Next time in
this experiment, we
would be more
sanitary about our
experiment. We would
boil our tea every time
so as to ensure no
infection of the spores,
and we would also
make new batches of
the tea every so often
so the tea didn't lose
its potency.

Experimental Set Up:
First, we chose to
determine the speed
at which germination
would occur based on
different amounts of
Compost Tea. We then
over the course of two
weeks measured the
amount of germinated
spores in each amount
and added the
amount of .25mL,
.5mL, or .75mL to that
dish every 2 days.



Abstract: We were testing to see if the added nutrients from a boiled version of compost would accelerate the process of germination in the spores. We did this by adding our "compost tea" to the Petri dishes and had different amounts to show if our hypothesis was indeed true. We then measured the percent of the approximate spores that had germinated.

Will nutrients from compost accelerate Germination?

Claim: Added nutrients from the compost tea increased the rate of growth of the spores

Evidence: The ferns
with more compost
tea in the petri dish
grew faster than those
with less

Reasoning: Since the dish with 3/4ths of a mL had more compost it grew faster than the other three

## Sam, Kota, Andrew, and Evan