

Welcome to Herbology!

Herbology

Taught by

Pomona Sprout

MANDRAKE

VENOMOUS TENTACULA

INCENDIO DUO

BOWTRUCKLES

SEVERING CHARMS

PUFFAPODS

FLUXWEED

ABYSSINIAN SHRIVELFIGS

LEAPING TOADSTOOLS

SLUGS



Redlam Supply

Second year classes are located in the Greenhouses-
below the belltowers.

STUDENTS! BRING YOUR EARMUFFS!

Hogwarts School of Witchcraft and Wizardry



Some important things to remember before we get started...

HERBOLOGY:

DO'S & DON'Ts



DO always wear (pink fluffy) earmuffs when repotting *Mandrakes*, as its cry is fatal to anyone who hears it.



DON'T ever, *ever* give a friend *Devil's Snare* as a present... They may not survive.



DO remember to shout loudly to attract attention if a *Venomous Tentacula* seizes you unexpectedly.



DON'T squeeze *Bubotubers* too hard. You don't want the pus anywhere other than in a flask.

DO work in teams to extract *Snargaluff* pods from their stumps, or you may never get your arm back.



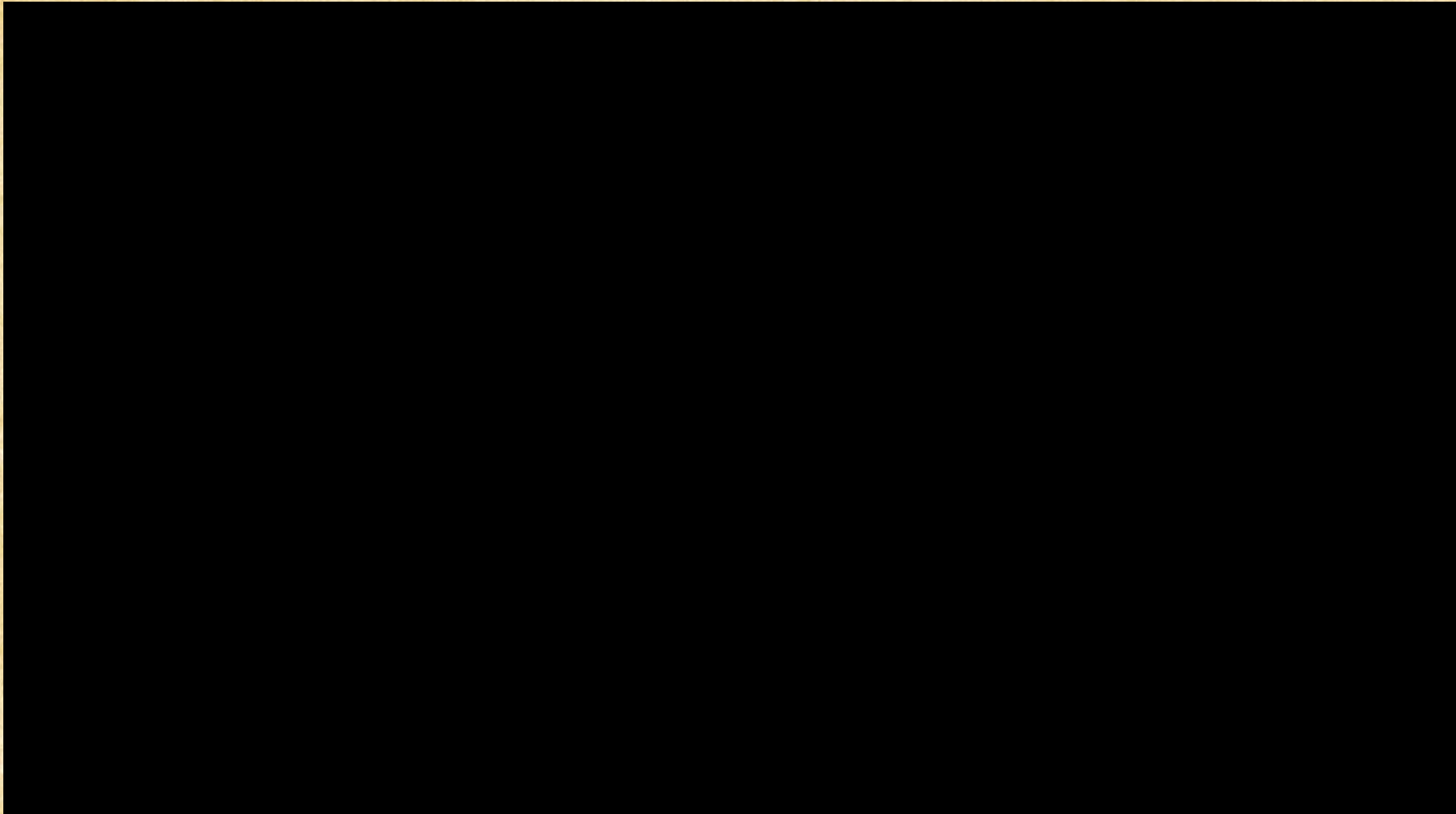
DON'T underestimate *Fanged Geraniums*. They may look pretty, but their bite is worse than their bark!



POTTERMORE

from J.K. Rowling

*Today, my young wizards, we will be mastering the secrets
of invisibility. . . .*



Open in slide show mode to watch video

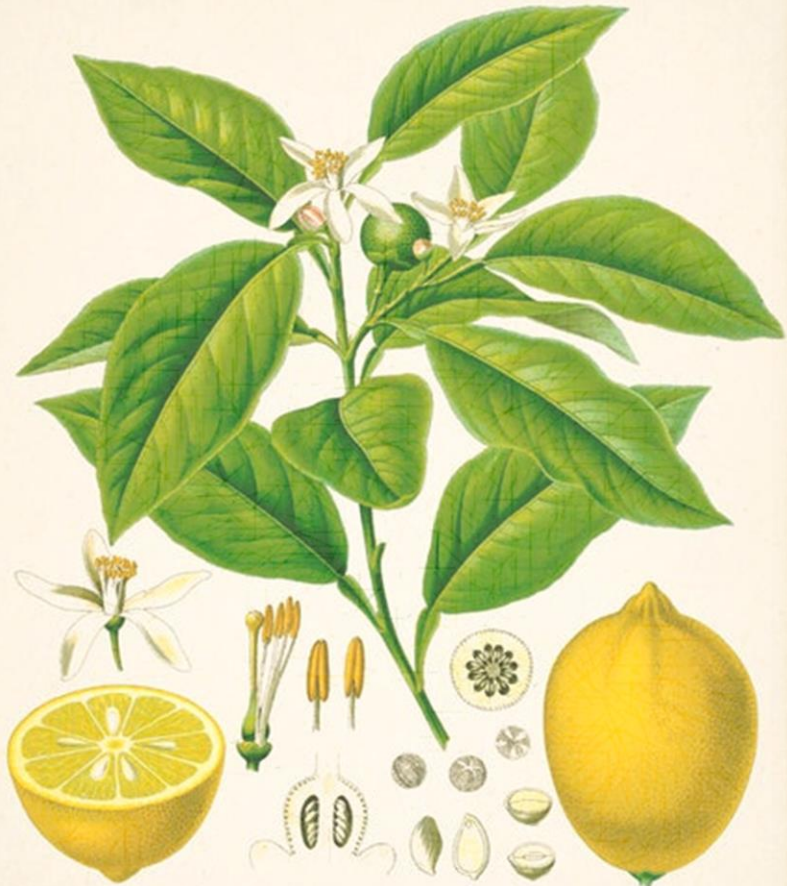
We will be learning how to create invisible ink to write your own secret messages and produce your very own Marauder's Maps!

You will need:

- One lemon
- Cotton wool buds
- Plain white paper
- Desk lamp



Instructions...



Lemon
Citrus limonum Risso

1. Squeeze the juice of a lemon into a bowl and dip the cotton bud into it.
2. Use the cotton wool bud to draw your map/picture onto plain paper. You could use the map of Herne provided, or come up with your own design.
3. Leave the invisible ink to dry


Before you go any further...

Your final step will be to hold your dry picture under the desk lamp so that it starts to heat up (take care not to burn yourself and check with an adult first!)

BEFORE you complete this final step, complete your prediction on your *Herbology Notebook* page.


Explain what you **PREDICT** will happen and **WHY** you think that might be.

Herbology - Invisible Ink





1. I predict that _____

2. I found that _____



3. I think this was because _____




Now *CAREFULLY* complete the final
step and watch what happens...



Remember to make sure an adult is there for safety!


What did you observe?


Lemon
Citrus limonum L.


Herbology - Invisible Ink


1. I predict that _____

2. I found that _____



3. I think this was because _____





Explain what you noticed.

Where you correct in your prediction?

Why do you think this happened?

What should have happened?

Your picture should have appeared by MAGIC in front of your eyes!



The Science Bit...

Lemon juice is mildly acidic and weakens the paper. The acid remains in the paper when it has dried.

When the paper is held near heat, the acidic parts turn brown before the rest of the paper, making the secret picture appear!



Herbology - Invisible Ink



1. I predict that _____

2. I found that _____

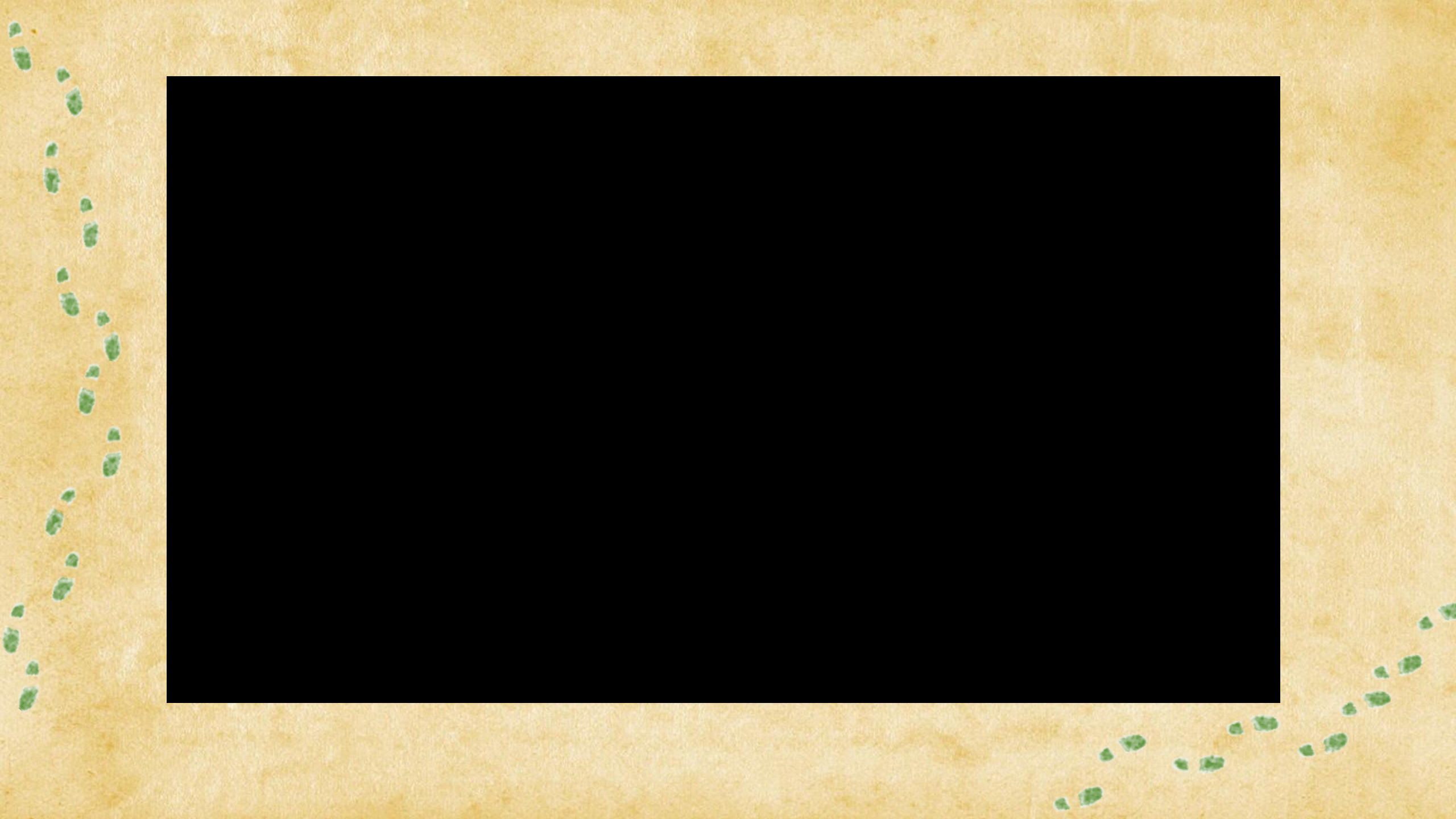


*Le xixij me
Conte brante, Poudre
Jouet, Loucheur, etc.*

3. I think this was because _____



Explain the
scientific reasons
this happened in
your own words.



Now with a squeeze of **MAGIC** (and just a dash of science) you can **DAZZLE** your Muggle friends and family by creating your own secret maps, messages and pictures!

Have fun!

This lesson was inspired by HARRY POTTER AND THE CHAMBER OF SECRETS

