



Starters

Announcements..... 3 mins

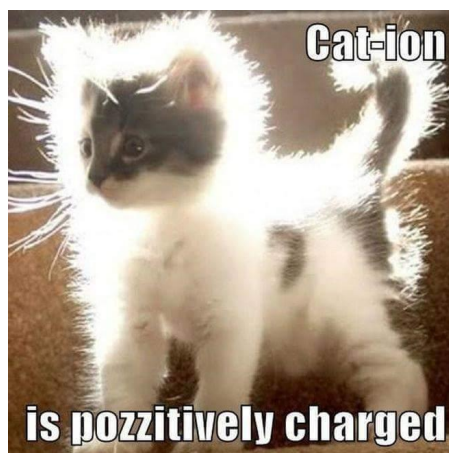
Nearby upcoming STEM events & competitions, Club member achievements and welcome new members.

Snack, Cackle & Pop..... 2 mins

Eat: Chocolate chip cookie. Yum

Listen: 'Chain reaction' by Diana Ross

Science Meme:



Meet Her..... 5 mins

Dr. Mary Lowe Good is a chemist, innovator and professor. Mary was the first woman elected to the board of the American Chemical Society. Her research included inorganic and radiation chemistry.

Watch youtu.be/TkS3nB529eo?t=2m26s

(watch to 5:52)

Mains *choose ONE only*

MAKE..... 15 mins

At the Stemettes HQ, someone has left a lot of mess. No one has owned up to it but the stemettes has left a note behind. Using chromatography, you can work out who did. There were 3 people in the office each person has their own black pen: a biro, permanent marker & non-permanent marker.

Black ink is often made from a mixture of other coloured inks. The inks will dissolve in water and move through filter paper at different rates, separating out into coloured bands as each pen has its own unique pattern.

You will need: Filter paper & a biro, permanent marker & non-permanent marker.

Instructions:

1. On a piece of filter paper, draw a faint line 5 cm with a pencil from the bottom.
2. Draw a spot along the line of the filter paper with each of the suspect's pens.
3. Place the paper into the container so that the marker spots are above the water.
4. Leave the paper in the water until the patterns become clear.
5. Compare the ink pattern from the pen found at the crime scene with the three suspect's pens.

EXPLORE..... 15 mins

In groups, create a poster/infographic explaining a pigment of your choice. Present your findings to the rest of the club.

Desserts

Share with us 2 mins

Upload a photo of your MAKE or summary of your EXPLORE to the online forum. Or tweet/instagram it (remember to tag us)

Club Register..... 1 min

Let us know the OtotheB usernames of people who attended this week in your group on MightyBell. You'll get less points per non-OtotheB person on your register.

Ask Her..... 2 mins

Post your burning career Questions for our STEM role models to the Agony Aunt Topic.

Digest..... 2 mins

Do the #015 Digest on OtotheB, before the end of the day.