



Starters 10 mins

Announcements..... 3 mins
STEM events/competitions (check OtotheB), share achievements and welcome new members.

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

Snack: Percy pigs. Yummy

Cackle:

**BIOLOGY - THE ONLY SCIENCE
WHERE MULTIPLICATION AND
DIVISION MEAN THE SAME THING**

Pop: Don't Kill My Vibe by Sigrid (request from Maddie)

Meet Her..... 5 mins

Liz Bonnin is a Science presenter. At university she studied Biochemistry and after presenting for a few years she went back to university to gain a Masters in Wild Animal Biology. Some of the shows she has presented in the past includes, Top of the Pops, Bang goes the Theory, Stargazing Live and Operation Snow Tiger.

Watch: [Meet Liz in this video](#)

Discuss

- ★ If you present a show on any STEM topic, what would you present and why?
- ★ What do you think is the best bit about Liz's job?

Desserts 5 mins

Share with us 2 mins
Upload photos of your MAKE or EXPLORE to the MightyNetworks or tweet/instagram.

Ask Her..... 2 mins
Post any questions to the Agony Aunt Topic

Digest..... 2 mins
Do Digest on MightyNetworks or bit.ly/digest048

Mains 20 mins - choose ONE only

MAKE..... 20 mins
Part of biochemistry is looking at cells that make up living organisms. For this activity we will be looking at the structures that make up an animal cell.

- ★ Take a digestive biscuit and cover it in icing, the icing will act as Cytoplasm. **What is cytoplasm?**
- ★ Place a chocolate button in the centre of the biscuit, this will be the nucleus. **What is the role of the nucleus?**
- ★ Place a strawberry lace around the outside of your cell. This will act as the cell membrane. **What is the role of the cell membrane?**
- ★ Place raisins into your cell, these will be the mitochondria. **What is the function of mitochondria?**
- ★ Add small clusters of sprinkles, these will act as the ribosomes. **What are ribosomes?**
- ★ Add a couple of M&M's, these will be lysosomes. **What are these?**

Finally, enjoy your animal cells- yummy!

EXPLORE..... 20 mins

Liz does a lot of presenting. So for this EXPLORE, create a mini documentary. In groups of three research any animal, extinct or alive for 5 minutes. Then in your groups, go off and record a mini documentary about your animal on your phones. Get creative when filming your animal in the wild...

- One of you could act as the animal.
- Draw the animal.
- Film it on Instagram stories and use a gif.

One rule: everyone **MUST** present on camera.

If you have time show your mini documentaries to your club and on MightyNetworks. If you don't have access to a recording device, act it out to your club.