



Starters

Announcements..... 3 mins

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

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

Eat: Angel cakes. Yum

Listen: 'Run the world' by Beyonce.

Science Meme: The only reason we allow her inside is because she's the only one that can work the DVD player.



Meet Her..... 5 mins

Limor "Ladyada" Fried is an electrical engineer and CEO of Adafruit Industries. Limor studied Electrical Engineering and Computer Science at MIT. She was the first female engineer on the cover of WIRED magazine. She works in New York and has won several awards including Entrepreneur of the year.

Watch youtu.be/SpYMgScKRwk (3 min video)

Mains *choose ONE only*

MAKE..... 15 mins

Make a presentation, wall display or poster on Limor Fried and Adafruit company, or Arduinos & microBits.

EXPLORE..... 15 mins

Adafruit projects use networks. Routing and deadlock are problems in many networks and engineers spend a lot of time figuring out how to solve these problems & design better networks.

A puzzle for the group:

Write everyone's initials twice on two bits of paper. Throw away one piece of paper. Now sit in a circle and randomly hand out pieces of paper - two per person, one for each hand.

One member is left with an empty hand. The puzzle can now begin.

The aim is for everyone to have their own initials. There are two rules:

- 1). You can only pass a bit of paper to an empty hand of someone **immediately next to you**.
- 2). There should be no more than one bit of paper in any hand.

Time how long it takes you.

Try the activity sat in a long line. Try the activity without talking. Does it take longer?

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)

Ask Her..... 2 mins

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

Club Register..... 1 min

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

Digest..... 2 mins

Do the #013 Digest on OtotheB, before the end of the day.