

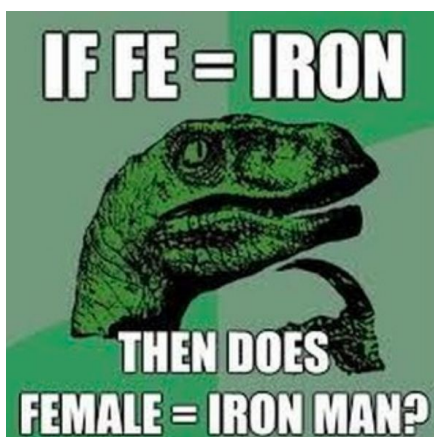


First released Autumn Term 2018

### Starters 5 mins

**Announcements..... 1 mins**  
STEM events/competitions (check OtotheB), share achievements and welcome new members.

**Snack, Cackle & Pop..... 2 mins**  
**Snack:** Oreo's. Yummy  
**Cackle:**



**Pop:** 'Woman Like Me' by Little Mix & Nicki Minaj  
**Meet Her..... 5 mins**  
Ruth Loughrey currently works as a broadcast engineer, supporting TV & radio studio technology in the BBC's central London campus, taking up this position after completing the BBC's training scheme in July 2015. She studied Physics at Leeds University.

**Watch:** [Meet Ruth in this video](#)

#### Discuss

- ★ If you were a radio DJ what would your name be?
- ★ What do you think a typical day is like for a broadcast engineer?

### Desserts 5 - 10 mins

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

### Mains 20 mins - choose ONE only

**MAKE..... 20 mins**  
Part of being a broadcasting engineer is making sure the signal and footage from remote broadcasts are able to get into the newsroom.

Research:

- ★ What types of waves do radio and television use to transmit content?
- ★ How do radio signals get from a remote locations to the broadcasting centre?
- ★ How does the signal get from broadcasting centres to people's homes/ cars?

Present your findings in a mini podcast/ radio show. You could record this on your phone or a computer.

**EXPLORE..... 20 mins**  
As Ruth works for the BBC, make a front page news article about the different types of engineering. Start with broadcast engineering and then research some different types of engineering. Think about:

- ★ What does the job involve?
- ★ What is a typical day like?
- ★ What are the perks of the job?
- ★ Which companies employ this type of engineer?
- ★ Name some women who do this job role.

Create a front page news article. If you want to mix it up a bit, perform create a news bulletin and act it out to the club if you have time.

Share your podcasts/ new bulletins on MightyNetworks.

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

**Digest..... 2 mins**  
Do [#053 Digest](#) on MightyNetworks or [bit.ly/digest053](http://bit.ly/digest053)