



First released Spring term 2018

Starters

Announcements..... 3 mins

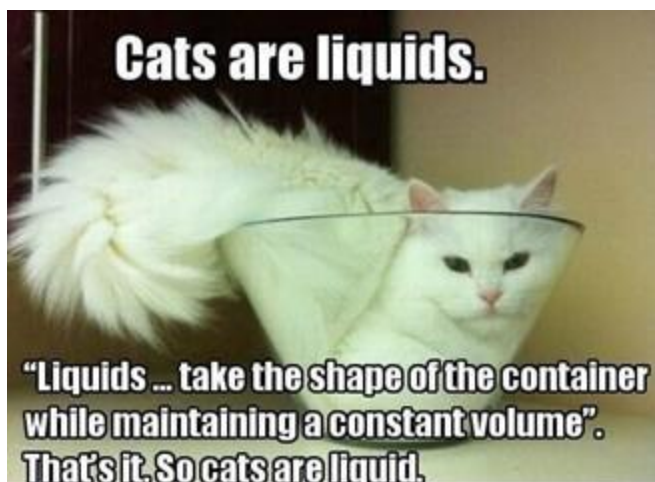
Nearby upcoming STEM events & competitions, Club member achievements and welcome new members.

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

Eat: Chocolate fingers - Yummy

Listen: 'New Rules' by Dua Lipa.

Science Meme:



Meet Her..... 5 mins

Roma is a structural engineer who constructed the Shard, the tallest building in the UK and the fourth tallest in Europe. She is also an active campaigner for women in engineering.

Video (3 mins)

<https://www.youtube.com/watch?v=n8lKpBnGAwA>

Discuss after video: (2 mins)

- ★ What do you think a Structural Engineer does?
- ★ What do you think is the hardest thing about engineering buildings?
- ★ If you could design any building, which one would it be?

Mains choose ONE only

MAKE..... 15 mins

You have been asked to design a new bridge for the River Thames. Working in teams of two or three, use only paper and sticky tape, or marshmallows and spaghetti, to create a model bridge. Your bridge must be strong and durable. The bridge that can hold the most weight wins. Winning team explain to the rest of the club how you did it.

EXPLORE..... 15 mins

Create a song/ rap which explains what a Structural Engineer does. You can research the role of a structural engineer online first. You could also base your musical masterpiece around Roma's story. Perform your musical masterpiece 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)

Ask Her..... 2 mins

Post your Questions for Stephanie to the Agony Aunt Topic.

Digest..... 2 mins

Do the #032 Digest on OtotheB or by searching for bit.ly/digest032, before the end of the day.