

# STEMillions<sup>+</sup>

## Katy Toms

First released Summer Term 2018



Meal Plan  
**#039**  
30 mins

### Starters 5-10 mins

**Announcements**..... 1 min

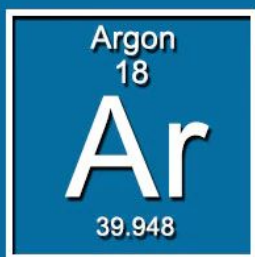
Share club member achievements.

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

**Snack:** Candy Kittens

**Cackle:**

**I MAKE BAD SCIENCE JOKES  
BECAUSE ALL THE GOOD ONES....**



**Pop:** Stemillions playlist on Spotify:

[bit.ly/stemillionsplaylist](http://bit.ly/stemillionsplaylist)

**Meet Them** ..... 5 mins

Meet Katy, a Coastal and Chartered Engineer at Aecom and Vice Junior Chair Woman of the Institute of Chartered Engineers (ICE), who was also in the Top 50 Women in Engineering 2017.

**Watch:** [bit.ly/039MeetThem](http://bit.ly/039MeetThem)

**Discuss:**

- ★ What do you think a coastal engineer does?
- ★ Why do waves form in the sea?
- ★ Which causes the most damage to coastlines: waves/ changing sea levels/ seagulls/ storms?

### Mains 20 mins - choose ONE only

**MAKE**..... 20 mins

The coastline is made up of lots of different types of rock. Igneous rock, Granite, Limestone, Sandstone, Slate, etc. - these rocks all have different properties. Compare the properties of different sweets to the properties of rocks. Think about:

- ★ Which sweets resemble different rocks?
- ★ How are they similar?
- ★ How do they differ?

Make a table of the properties of sweets and which type of rock they resemble, compare your findings to the rest of the members in your club. Discuss your findings as a club.

**EXPLORE**..... 20 mins

Many people haven't heard of a coastal engineer, but their work is very important. Create a wall display/poster to explain:

- ★ What a coastal engineer does
- ★ Some of the techniques coastal engineers use to save our coasts
- ★ How to become a coastal engineer
- ★ Some people who are coastal engineers
- ★ Why their work is important

### Desserts 5 mins

**Share with us** ..... 1 min

Upload photos on Twitter or Instagram and tag @Stemettes and #Stemillions.

**Ask Away**..... 2 mins

Got a question? Ask Away! [bit.ly/Ask-Away](http://bit.ly/Ask-Away)

**Digest**..... 2 mins

Digest this Meal Plan [bit.ly/digest039](http://bit.ly/digest039)