

Pooja Godhania

First released Summer Term 2018



Meal Plan
#042
30 mins

Starters 10 mins

Announcements..... 3 mins

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

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

Eat: Rocky road. Yum

Listen: 'Back to you' by Selena Gomez

Science Joke:



Meet Her..... 5 mins

'25 year old Section Engineer working for John Sisk and Sons in their Civils UK Division. Currently working on a Highways England Project in Newcastle. I am chartered with the CIOB with the title of Construction Manager and I am working towards my Chartership with the ICE.'

Watch..... 4 mins

[Meet Pooja in this video.](#)

Discuss..... 1 mins

- ★ What do you have in common with Pooja from her video?
- ★ Why do we need engineers for our roads?

Desserts 5 - 10 mins

Share with us 2 mins

Upload photos of your MAKE or EXPLORE to the MightyNetworks or tweet/instagram and tag @Stemettes

Mains 15 mins - choose ONE only

MAKE..... 15 mins

In three's, create a geodesic dome. You will need 11 small gummy sweets and 25 cocktail sticks

[\(detailed instructions here\)](#)

- ★ Connect 5 cocktail sticks with 5 sweets to form a pentagon for your base
- ★ Poke 2 more cocktail sticks into each sweet of your base so they are all pointing up
- ★ Attach the cocktail sticks with 5 more sweets to form triangles
- ★ Connect the top points of the triangles you just made with cocktail sticks to form another pentagon
- ★ Poke one cocktail stick into each sweet of the top pentagon
- ★ Connect the 5 sticks with one sweet in the centre

Gently push down on your geodesic dome, how much weight can it support?

EXPLORE..... 15 mins

Our roads are getting smarter, they tell us when to slow down, when there is traffic etc. What will roads look like in 50 years time? Get into groups and draw it out. Think about:

- ★ Could we create energy from roads?
- ★ How can we make roads safer?
- ★ What is the car of the future going to look like?

[This link](#) could provide you with some inspiration.

Ask Her..... 2 mins

Post your Questions to the Agony Aunt Topic.

Digest..... 2 mins

Do the #042 Digest on OtotheB and MightyNetworks or bit.ly/digest042