



Dr Suzie Imber

First released Summer Term 2018

Starters 15 mins

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

Snack: Before we begin, grab a snack!

Cackle:

I was reading a book on anti-gravity



I couldn't put it down.



Pop: Stemillions playlist on Spotify:

bit.ly/stemillionsplaylist

Meet Her..... 5 mins

Suzanne Imber is a Planetary Scientist, and Pro-Vice Chancellor at the University of Leicester. She was the winner of the 2017 BBC Two television program 'Astronauts, Do You Have What It Takes?'

Watch: [Meet Dr Suzie here](#)

Discuss:

- ★ Which is the best planet in your opinion?
- ★ What do you think is the hardest activity to do in space?

Desserts 5 min

Share with us 1 min

Upload photos on [Twitter](#) or [Instagram](#) and tag @Stemettes and #Stemillions.

Ask Them..... 2 mins

Got a question? Ask Away! bit.ly/Ask-Away

Digest..... 2 mins

Digest this Meal Plan - fill out the feedback form.

Mains 40 mins - choose ONE only

MAKE..... 40 mins

You will need: milk, food colouring, washing up liquid/soap, internet access.

Choose your favourite planet in our solar system and take a look at what it looks like.

- ★ On a plate, pour in enough milk to cover the base of the plate.
- ★ Drop in food colouring that are the same colour as your planet.
- ★ Once you've added the colours, drop a bit of washing up liquid in the centre and watch what happens.
- ★ Swirl your colours to recreate the pattern on your planet. When you're happy with the pattern, take a photo of the planet you've created.

If you have time, you could research another planet and try to recreate the surface of that planet.

EXPLORE..... 40 mins

You will need: paper, pens, colouring pencils, internet access.

The International Space Station is made up of 16 modules, but now Stemettes need their own module to send Dr Suzie to space to do her own research. Design a Stemette module for the International Space Station so Dr Suzie can sleep and work. Remember, astronauts stay in space for about 6 months at a time.

- ★ What scientific equipment might she need?
- ★ What are all the things she will need to live in space?
- ★ Make sure there's enough room for the other astronauts to visit your module too.

Try to think outside the box for this activity, what would you like to see in the Stemettes module?