

STEMillions

Anne Pacros

First released Spring Term 2019

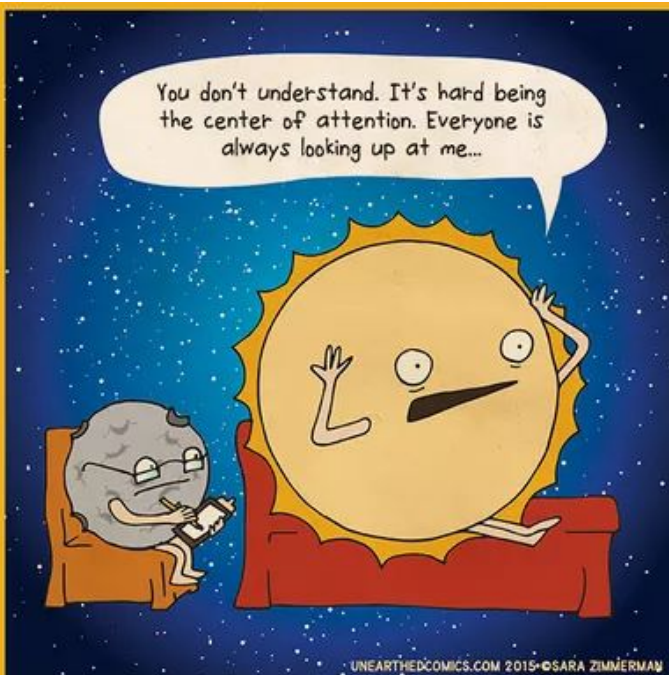


Meal Plan
#065
30 mins

Starters 5-10 mins

Announcements..... 3 mins
STEM events/competitions (check OtotheB), share achievements and welcome new members.

Snack, Cackle & Pop..... 2 mins
Snack: Tangerines. Yummy
Cackle:



Pop: Stemillions Playlist: bit.ly/stemillionsplaylist

Meet Her..... 5 mins
Anne Pacros is a payload system engineer on the Solar Orbiter mission and finds working in a position where all the threads of the project come together.

Watch: [Meet Anne in this video](#)

Discuss:

- ★ How old is the sun?
- ★ How far away is the sun?
- ★ What is the Solar Orbiter designed to do?

Mains 20 mins - choose ONE only

MAKE..... 20 mins
Anne's job requires her to safeguard all the equipment onboard the Solar Orbiter. In this experiment you will have to safeguard an egg as it lands on Earth. You will be given an egg, you will have to engineer a spacecraft that will land your egg in one piece. Towards the end of your session, you will test your eggs by launching them into 'space' by throwing them and seeing who had designed the perfect spacecraft for their egg. **NO HARD BOILED EGGS!!**

EXPLORE..... 20 mins
Anne works on the Solar Orbiter satellite which will observe the sun. In pairs or threes, you will design your own satellite. Create a poster to explain how your satellite will work. Think about:

- ★ How long will it be in space?
- ★ What will your satellite observe?
- ★ What equipment will it need to be successful?
- ★ Will people live on it?

Take a photo of your creations and post in the MightyNetworks or on Twitter and Instagram and tag @stemettes or #stemillions.

Desserts 5 mins

Share with us 2 mins
Upload photos to MightyNetworks or tweet us.

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

Digest..... 2 mins
Do #065 Digest on MightyNetworks or bit.ly/digest065