



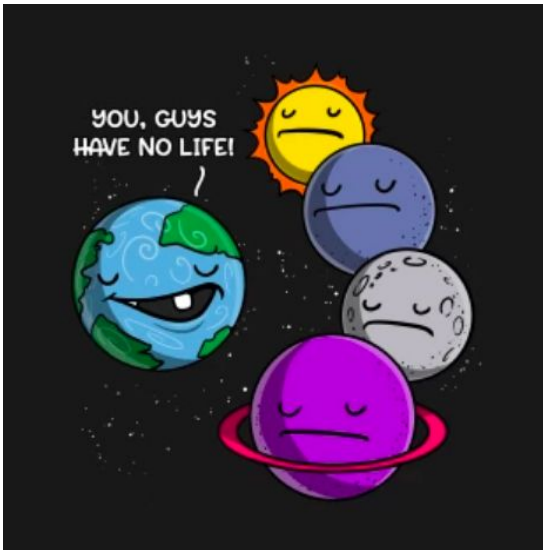
### Starters 5-10 mins

**Announcements..... 1 min**  
STEM events/competitions (check OtotheB), share achievements and welcome new members.

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

**Snack:** Percy pigs. Yummy

**Cackle:**



**Pop:** Stemillions Playlist: [bit.ly/stemillionsplaylist](http://bit.ly/stemillionsplaylist)

**Meet Her..... 5 mins**

Maria is a Robotics Engineer for NASA Ames Research Center. She develops robotics systems for space exploration. Her main project is Astrobees which will help astronauts in the space station and measure the quality of the air. She first fell in love with space and engineering in the 7th grade after reading about female engineers at NASA. Following this, she earned a Bachelor's and Master's in Electrical Engineering.

**Watch:** [Meet Maria in this video](#)

**Discuss:**

- ★ What do you think is the best bit about Maria's job?
- ★ If you could visit any where in space where would you go and why?

### Mains 20 mins - choose ONE only

**MAKE..... 20 mins**  
Maria is working on a free flying robot for the International Space Station (ISS). NASA has decided that they have budget for a free-flying robot for the ISS. Your challenge is to come up with a new robot that will help the astronauts on board the ISS. Work in teams of two or three, and design a new robot and give it a name. Once this is done, pitch your new robot designs to the club Dragon Den style.

**EXPLORE..... 20 mins**  
When Astrobees is launched into space, it won't be the only robot in space. Research which robots are already in space and create a wall display/ poster of all the different robots in space currently.

- ★ What do they do?
- ★ When were they launched into space?
- ★ What are they called?
- ★ How many missions have they been on?
- ★ When will they be retired?
- ★ Are there any due to go up into space?

Take a photo of your wall displays and post a photo to MightyNetworks and/or share it with @Stemetes on Twitter and Instagram.

### Desserts 5 mins

**Share with us ..... 2 mins**  
Upload photos of your MAKE or EXPLORE to the MightyNetworks or tweet/instagram.

**Ask Her.....1 min**  
Post any questions to the Agony Aunt Topic in MightyNetworks.

**Digest..... 2 mins**  
Do #060 Digest on MightyNetworks or [bit.ly/digest060](http://bit.ly/digest060)