



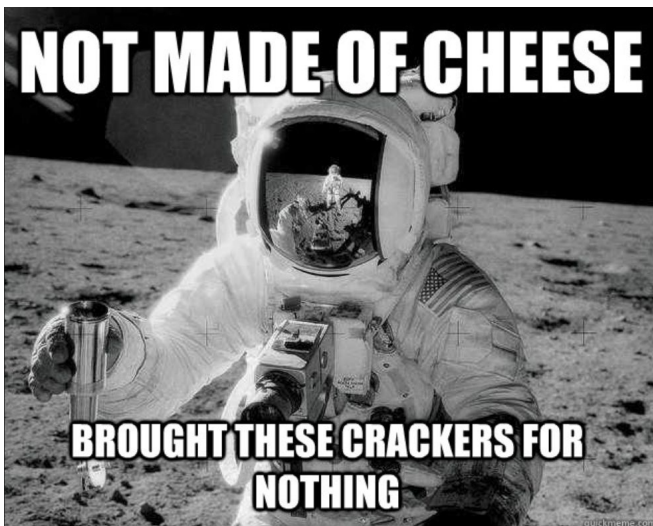
Starters 5-10 mins

Announcements..... 1 min
Share club member achievements.

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

Snack: Pineapple - YUM!

Cackle:



Pop: Stemillions playlist on Spotify:

bit.ly/stemillionsplaylist

Meet Them..... 5 mins

Katherine is a mathematician who contributed to the US space programs with the early application of computers at NASA. She calculated the trajectories and back-up return paths for the early NASA missions and the 1969 Apollo 11 flight to the Moon. Her calculations were critical to the success of these missions. Katherine also did the calculations for the mission to Mars.

Watch: bit.ly/O24MeetThem

Discuss:

- ★ Any thoughts about the video?
- ★ What do you think of Katherine's career?
- ★ What do you think is the hardest activity to do in space?

Mains 20 mins - choose ONE only

MAKE..... 20 mins

Sweet Solar System: create a scale model of our solar system using sweets. Start with Earth as it is the best planet; use 1 sweet to represent Earth. Use bit.ly/O24make to find out how many times bigger or smaller each planet is than Earth. Once you have done your research, use the correct number of sweets to create a scaled model of the solar system.

If you have time:

- ★ How many sweets would you need if you included the sun in your model?
- ★ Can you include the moons for each planet?
- ★ Think about distance between planets
- ★ How many times smaller is Pluto than Earth?

EXPLORE..... 20 mins

There are 8 major phases of the moon, work in small groups (pairs or threes) to make a poster showing the 8 major phases of the moon and why they occur. Start by doing some research in your groups; if you're stuck, this is a good place to start: bit.ly/O24explore. At the end of your club, go and have look at everyone else's poster to see what information they have included,

Desserts 5 mins

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 bit.ly/digest024