STEMillions Diana Trujillo

First released Autumn Term 2018



Meal Plan #059 30 mins

Starters 10 mins

Snack, Cackle & Pop...... 2 mins Snack: Percy pigs. Yummy

Cackle:

e: NASA WANTS TO SEND BIG SHAQ TO THE SUN TO SEE IF "MANS CAN NEVER BE HOT"



Pop: Happier by Bastille

Watch: Meet Diana in this video

Discuss:

- ★ What are important qualities of an Aerospace engineer?
- ★ What do you think is the best bit about Diana's's job?

Desserts 5 - 10 mins

Share with us 2 mins Upload photos to MightyNetworks or tweet/ insta

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

Do #059 Digest: <u>bit.ly/digest059</u>

Mains 20 mins - choose ONE only

- tough to withstand the rocky Mars surface
- be able to withstand cold temperatures
- durable to travel long distances

Try the following substances:

- Paper
- Cardboard
- Metal?
- Plastic
- Rubbers/ Erasers
- Fabric?

What other substances can you try? What would be the most suitable material to make/ repair wheels for the Curiosity rover?

If you could redesign the Curiosity rover wheels what would it look like? What design features would it have? WHat substance(s) would it be made out of?

Explore the timeline of the rover from when it was first designed up until today. Don't forget to add:

- The day they started building the rover
- The day it was launched into space
- The day it landed on Mars
- Any discoveries it has made

If you've got time, explore the future missions of the rover and try and put them on the timeline too. Post photo's of your club's timelines to MightyNetworks.

Visit stemillions.club to connect with other CSO's. Any queries? Email <u>team@stemettes.org</u> or post in Mighty Networks.