

STEMillions⁺



Department for Transport

Patricia Mawuli Porter

alchetron.com



Meal Plan
#DFT2
30 mins

First released Summer Term 2020

Starters 5-10 mins

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

Snack: Candy Kittens, yummy

Cackle:



Pinterest

Pop: Stemillions Playlist on Spotify

bit.ly/stemillionsplaylist

Meet Them..... 5 mins

Patricia is the first civilian female Ghanaian certified pilot. She's accomplished in building, maintaining & flying light aircrafts. Patricia has an aircraft engineering apprenticeship, going on to become a pilot & flying instructor. She moved to the UK in 2015. She is Director of her own aviation company, Metal Seagulls, & became the first black female aircraft inspector.

Discuss:

- ★ What do you think of Patricia's job?
- ★ What is the best thing about being a pilot?

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/backpackdigest

Mains 20 mins - choose ONE only

MAKE..... 20 mins

Ingredients: paper plate, tape, straws, marbles, A4 paper, pens.

Patricia is an engineer, a big part of an engineers job is the design process. This involves designing an idea, testing the design to see if it works and then fixing it. We will look at this process with this maze activity.

1. Design a maze on a piece of paper. This maze needs to fit into a paper plate.
2. Test whether your maze is possible and not too complicated. Make sure your paths are big enough for a marble to fit down.
3. If you need to fix your maze, change it now before you make it.
4. Once your maze design is ready, it's time to make it! Sketch your maze design onto the paper plate.
5. Cut straws in half lengthways and tape these onto the plate to make the walls of your maze.
6. Finally test your maze with the marbles. See if other members of your household can complete your maze.

EXPLORE..... 20 mins

Ingredients: A4 paper, computers, pens/pencils.

Patricia is a female pilot, how many other female pilots do you know? Create a poster of a woman in aviation to help other people recognise other female pilots. Choose a woman in aviation and spend 15 minutes making a poster including their name, what aircraft she flies (light aircraft, commercial aircraft, etc.) and when she became a pilot. At the end, show the rest of your household your STEMazing poster.