

STEMillions#



Department for Transport

Jo Salter

First released Spring Term 2019

NMP Live



Meal Plan
DFT1
30 mins

Starters 5-10 mins

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

Snack: Candy Kittens, yummy

Cackle:



Pop: Stemillions Playlist on Spotify

bit.ly/stemillionsplaylist

Meet Them..... 5 mins

Jo was Britain's first female fast jet pilot. She joined the Royal Air Force at 18 to be an Engineering Officer but later training as a pilot. She became the first woman to be an operational Tornado pilot. Jo left the RAF in 2000.

Discuss:

- ★ If you could travel anywhere in the world, where would you go?
- ★ What do you think 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: CD, bottle cap, sticky tack, balloon, cardboard tube, scissors.

Jo works with one type of airborne craft, in this activity we will look at a different type of transport, a hovercraft. What is a hovercraft?

1. Attach a bottle top to the centre of a CD with sticky tack. Make sure the seal between the CD and bottle cap is airtight.
2. Blow up the balloon, and twist the neck of the balloon to stop air escaping.
3. Pull the end of the balloon through the cardboard tube and stretch the balloon end over the cap to stop the air escaping.
4. Put all your hovercrafts on a smooth surface, and gently open the bottle cap.
5. As the air begins to escape, gently push your hovercraft forward and watch it travel.

EXPLORE..... 20 mins

Ingredients: Computers, A4 paper, pens.

Jo works with one type of airborne craft, the jet aircraft, but there are many more types of airborne crafts:

- ★ Airplanes
- ★ Helicopters
- ★ Airships (including blimps)
- ★ Gliders
- ★ Hot air balloons

Choose one of the airborne crafts above and create a song/rap or a dance to tell everybody about your airborne craft. You have 15 minutes to research and start writing down your lyrics. The last 5 minutes should be spent performing your song/rap to everyone you live with.