

First released Spring Term 2021



Meal Plan #076 60 mins

### Starters 5-10 mins

Snack, Cackle & Pop...... 2 mins Snack: we  $\heartsuit$  food, grab a snack before beginning! Cackle:



I was reading a book on antigravity - I just couldn't put it down!

STEMettes

# **Pop:** Stemillions playlist on Spotify: <u>bit.ly/stemillionsplaylist</u>

#### **Discuss:**

- $\star$  What do you think of Lucy's job?
- ★ How do you think a glider gets up in the air without an engine?

## Desserts 5 min

**Share with us ...... 1 min** Upload photos on <u>Twitter</u> or <u>Instagram</u> and tag @Stemettes and #Stemillions.

Ask Them......2 mins Got a question? Ask Away! <u>bit.ly/Ask-Away</u>

**Digest..... 2 mins** Digest this Meal Plan - fill out the feedback form.

## Mains 20 mins - choose ONE only

Thermal/Small Jar	Surrounding air /Bottle	Observation
Warm	Cold	Write what happens
Cold	Warm	Write what happens

2. Fill the drinks bottle (our 'sky'), ¾ full with cold water – leave room at the top as we need to leave space for our jar to fit without spilling any!
3. Make a handle for the jar out of the string. Fill the small jar with warm water and food colour or ink – fill it right to the top

4. Note the time and lower the thermal VERY CAREFULLY into the drinks bottle.

5. Observe what happens over the next minute or two.

a. Where does the coloured water go?

b. How does the water move – all at once or in separate bubbles? Does it swirl around?

c. Does all the water end up the same colour? If so, how long does it take?

6. Clean the experimental apparatus.

7. Repeat with hot water in the 'sky' and cold water in the jar.

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