



Jude Hamer

First released for Outbox 2020

Wikipedia



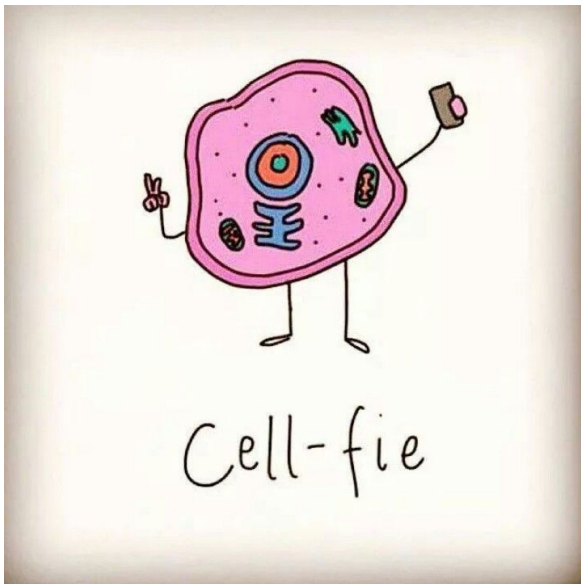
Meal Plan
#085
60 mins

Starters 15 mins

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

Snack: Before we begin, grab a snack!

Cackle:



Pinterest

Pop: Stemillions playlist on Spotify:

bit.ly/stemillionsplaylist

Meet Her..... 5 mins

Jude Hamer has a Masters in Pharmacology and Biotechnology. She was also part of the team at the 2012 Paralympic Games in London and Rio in 2016. In 2018, she won Silver at the 2018 Wheelchair Basketball World Championship in Germany.

Discuss:

- ★ What is your favourite sport?
- ★ What do you think Biotechnology is?

Mains 40 mins - choose ONE only

MAKE..... 40 mins

You will need: pens, plain paper, colouring pencils.

Jude has a masters in biotechnology. Food biotechnology aims to improve the quality and taste of food. Apples have been modified so people with apple allergies can eat them. Rice has been developed to withstand pests and disease scientists have also increased the nutrition in rice. In this activity, you will be the biotechnologist. Choose an item of food, maybe start with your favourite food. What would you like to improve about this food? It might be the colour, the size of it, make it healthier, you might want to combine 2 foods. Draw out the new food you have created, give it a new name and label all the changes you have made to it.

EXPLORE..... 40 mins

You will need: yeast, 3 water, balloons, 3 plastic bottles, sugar.

Yeast has a range of applications in biotechnology, in this experiment we will see what yeast can do. Ask an adult to boil a kettle of water. Pour 8 ounces of water into each bottle. Add one packet of yeast to each bottle. Add one teaspoon of sugar to the first bottle, 2 teaspoons to the second and three to the third bottle. Screw the cap on to the bottle and give them a shake. Take off the cap and stretch a balloon over the top. Leave for a few hours. Which balloon inflates the most?

Desserts 5 mins

Share with us 1 min

Upload photos on [Twitter](#) or [Instagram](#) and tag @Stemettes and #Stemillions.

Ask Away..... 2 mins

Got a question? Ask Away! bit.ly/Ask-Away

Digest..... 2 mins

Digest this Meal Plan - fill out the feedback form.