



Katie Severn

First released for Outbox 2021

LinkedIn



Meal Plan
#116
60 mins

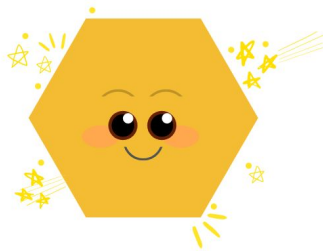
Starters 5-10 mins

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

Snack: *Grab a snack before beginning*

Cackle:

What did the maths student say when the witch doctor removed her curse?



HEXAGON

STEMettes

Pop: *Stemillions playlist on Spotify:*

bit.ly/stemillionsplaylist

Meet Her..... 5 mins

Katie is an assistant professor in statistics and enjoys teaching them the importance of coding in maths. She recently finished her PhD where she used maths to find patterns in texts and understand how different people write books. She now focuses on using statistics to improve women's rights and health in Tanzania. Her party trick is touching her elbow with her tongue!

Discuss:

- ★ What do you think of Katie's job?
- ★ What's your favourite part of maths?
- ★ Can you lick your elbow?!

Mains 20 mins - choose ONE only

MAKE..... 20 mins

Ingredients: *Dice, pen and paper or coloured lego bricks*

Create a bar chart to show how many times you rolled each number on the dice:

- ★ Draw lines for the axis of your bar chart with numbers 1-6 along the horizontal
- ★ Roll your dice and colour in 1 step on the bar chart or add a lego brick for the number it lands on
- ★ Repeat this and see which numbers you roll the most

EXPLORE..... 20 mins

Ingredients: *Paper, scissors, a pen, split pin or pencil*

Statistics can be used to look for patterns. This can be helpful to decode secret messages. Make a cipher wheel to decode a caesar cipher:

- ★ Cut your paper into two circles, one a bit bigger than the other
- ★ Lay them on top of each other and make a hole in the middle to put your split pin through (or a pencil)
- ★ Write the letters of the alphabet around the edge, lined up on both circles
- ★ Now you can twist the letters to shift the alphabet along and write a secret message or decode one...

*Vrphwlphv lw lv wkh shrsoh qr rqh fdq lpdjlqh
dqbwklqj ri zkr gr wkh klqjv qr rqh fdq lpdjlqh*

Desserts 5 min

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 - fill out the feedback form.