

STEMillions⁺

Maryam Mirzakhani

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Stanford News



Meal Plan

#018

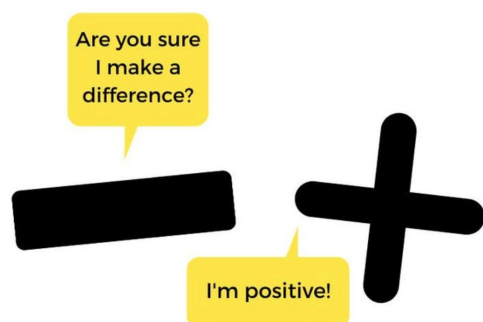
30 mins

Starters 5-10 mins

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

Snack: Before we begin, grab a snack!

Cackle:



STEMettes⁺

Pop: Stemillions playlist on Spotify:

bit.ly/stemillionsplaylist

Meet Them 5 mins

Maryam Mirzakhani was an Iranian mathematician and Professor of Mathematics at Stanford University. She is the first woman (and Iranian) to have ever won the Fields Medal (aka Maths Nobel Prize). Her research was on complex geometry and complex systems. She passed away in 2017 due to breast cancer.

Watch: bit.ly/018MeetThem

Discuss:

- ★ What did you think of Maryam's video?
- ★ What do you enjoy most about maths?
- ★ Can you name any females who have won the Nobel Prize or Fields Medal? (look it up)

Desserts 5 mins

Share with us 1 min

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

Mains 20 mins - choose ONE only

MAKE..... 20 mins

You will need: 6 sheets of square paper

Maryam is a mathematician, here we will use origami to construct a cube.

1. Fold the paper in half and make a crease.
2. Open the paper back up, now fold both sides into the centre fold so you have 4 long sections.
3. Fold the paper in half to make a square.
4. Open up the last fold and repeat step 2 folding the sides into the centerfold.
5. Open up the 2 new folds from step 4.
6. Repeat this process for the remaining 5 pieces of paper.
7. Construction time: [watch this video to see how to construct your cube.](#)

Bit confused? Watch this video to see how it's done bit.ly/018make.

EXPLORE..... 20 mins

You will need: paper, colouring pens or a computer.

Mirzakhani was the first female to win the Fields Medal in 2014; the Fields Medal is similar to the Nobel Prize. Make a poster about the amazing females who have won either Nobel Prizes or Field Medals. Choose your favourite female winner and research:

- ★ What they won the medal/prize for?
- ★ When they won?
- ★ A brief summary of their research.
- ★ Are they still alive?

Ask Away..... 2 mins

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

Digest..... 2 mins

Digest this Meal Plan - [complete this form here.](#)