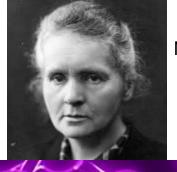
## Marie Curie

(07/11/1867 - 04/07/1934)

First released Spring Term 2018

# STEMIllions



Meal Plan #029 30 mins

#### Starters 10 mins

Announcements...... 1 min

Nearby upcoming STEM events & competitions (check out 'Upcoming Events" on OtotheB app), announce club member achievements and welcome new members.

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

Eat: Rocky Road. Yum

Listen: 'Anywhere' by Rita Ora

Science Meme:



Meet Her..... 7 mins

Marie Curie was a Polish-born physicist and chemist and one of the most famous scientists of her time. Together with her husband Pierre, she was awarded the Nobel Prize in 1903, and she went on to win another in 1911.

Watch: (5 mins)

https://www.youtube.com/watch?v=w6JFRi0 Qm\_s

Discuss after video (2 mins)

- ★ Any thoughts about the video and Marie?
- ★ What does radioactive mean?
- ★ Can you name any radioactive substances/ elements?

### Mains 15 mins - choose ONE only

- 1. Lick/stick together 2 neutron and 4 protons, this is an alpha particle.
- Carbon-12 nucleus has 6 neutrons and 6 protons, recreate this with marshmallows
- 3. Recrete the nuclei of these elements:
- ★ Lithium (3 protons, 4 neutrons)
- ★ Boron (5 protons, 6 neutrons).
- ★ Hydrogen?
- ★ Work through as many elements as you can

EXPLORE...... 15 mins

When Marie discovered radiation, snapchat did not exist. Firstly research a bit about Marie and her work, and then create a snapchat story as if you were Marie Curie on the day she made her discoveries. You can either use your phones and create it in snapchat, or get creative in powerpoint. If you have time, show your club your snapchat stories. Remember to share your creations with us @stemettes (Facebook, Instagram, Twitter)

### Desserts 5-10 mins

Ask Her...... 2 mins
Post your Questions to the Agony Aunt Topic.