

# 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=w6JFRi0Qm\\_s](https://www.youtube.com/watch?v=w6JFRi0Qm_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

### MAKE..... 15 mins

**Radioactive Marshmallows:** from now on, white marshmallows are protons and pink marshmallows are neutrons.

1. Lick/stick together 2 neutron and 4 protons, this is an alpha particle.
2. 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

### Share with us ..... 2 mins

Upload a photo of your MAKE or summary of your EXPLORE to MightyNetworks

### Ask Her..... 2 mins

Post your Questions to the Agony Aunt Topic.

### Digest..... 2 mins

Do the #029 Digest on OtotheB and MightyNetworks or [bit.ly/digest029](http://bit.ly/digest029)