

# STEMillions<sup>+</sup>

## Tania Wild

First released Autumn Term 2016



Meal Plan  
**#002**  
30 mins

### Starters 5-10 mins

**Announcements**..... 1 min

Share club member achievements.

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

**Snack:** Candy Kittens

**Cackle:**



**Pop:** Stemillions playlist on Spotify:

[bit.ly/stemillionsplaylist](http://bit.ly/stemillionsplaylist)

**Meet Her**..... 5 mins

Tania Wild is a Mechanical Engineering from South Africa who leads a team at Areva UK in Nuclear.

**Watch:** [bit.ly/002MeetThem](http://bit.ly/002MeetThem)

**Discuss:**

- ★ What do you think of Tania's career?
- ★ Areva is a French Nuclear & Renewable Energy group - does anyone in your club know any French?
- ★ How many different types of renewable energy can you name?

### 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

Areva is a french company specialising in nuclear power and renewable energy around the world. From its beginning in 2001 until 2011 it was run by CEO Anne Lauvergeon.

Make a wall display or a 1-minute presentation about Anne Lauvergeon. A great place to start might be taking a look at her on Forbes and/or Crunchbase.

**EXPLORE**..... 20 mins

Tania works on nuclear projects which use energy from Radioactivity. Watch this to understand what happens: [bit.ly/002explore](http://bit.ly/002explore)

You're going to simulate radioactivity using sweets. You'll need 15 M&M's, Skittles or Love Hearts sweets (something printed on one side).

- ★ Put all the sweets in a plastic bag and shake for 10 seconds.
- ★ Gently pour them out and count the number of sweets with the print side up. These sweets have \*decayed\*.
- ★ Record the number of decayed sweets.
- ★ Eat them.
- ★ Put non-decayed sweets back in the bag and shake again.
- ★ Keep going until everything has decayed.

Make a graph of decayed atoms vs time.

- ★ In the experiment, what was the half-life of each of your sweets?

**Ask Away**..... 2 mins

Got a question? Ask Away! [bit.ly/Ask-Away](http://bit.ly/Ask-Away)

**Digest**..... 2 mins

Do the #002 Digest: [bit.ly/Digest002](http://bit.ly/Digest002)