

STEMillions⁺ 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

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

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?

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

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?

Desserts 5 mins

Share with us 1 min

Upload photos on Twitter or Instagram and tag @Stemettes and #Stemillions.

Ask Away..... 2 mins

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

Digest..... 2 mins

Do the #002 Digest: bit.ly/Digest002