

STEMillions⁺

Tania Wild

Week beginning January 16th 2017 and onwards



Meal Plan
#002
30 mins

STARTERS

Announcements..... 3 mins
Nearby upcoming STEM events & competitions, Club member achievements and welcome new members.

Snack, Cackle & Pop..... 2 mins
Eat: An Orange, any kind will do

Laugh: What kind of chain is edible?
A food chain!

Listen: The Cure & The Cause by Fish Go Deep

Meet Her..... 5 mins
Tania Wild, an engineering project manager who leads a team at Areva UK in Nuclear.
https://youtu.be/2W8RIHsRr_o (3 min video)
bit.ly/STMLTaniaw (Career Infographic)

DESSERTS

Share with us 2 mins
Upload a photo of your MAKE or summary of your EXPLORE to the online forum.

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

Digest..... 2 mins
Make sure everyone in your club individually fills out #002 Quizr on OtotheB, before the end of the day.

MAINS

MAKE..... 15 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, infographic or 10 minute presentation about Anne Lauvergeon. Share this online, make sure you tag @Stemettes

EXPLORE..... 15 mins
Tania works on nuclear projects which use energy from Radioactivity. Watch this to understand what happens.
<https://www.youtube.com/watch?v=D91T-B-PVEO>

You're going to simulate radioactivity using sweets. You'll need 50 M&Ms, 50 Skittles and 50 Love Hearts sweets (something that is printed on one side).

Put them in a plastic bag and shake for 10 seconds.

*Gently pour them out and count the number of pieces 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?