60 mins

Katy Hebditch

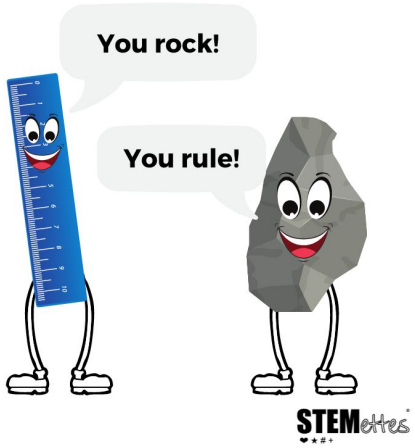
October half-term Explore Holiday event JUNIOR

Starters *10-15 mins*

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

Snack: *grab a snack before beginning!*

Cackle:



Pop: *Stemillions playlist on Spotify: bit.ly/stemillionsplaylist*

Meet Them..... 5 mins

Katy studied Geology and Geophysics after an injury meant she had to drop out of music college. She spent the first 5 years of her career working in West Africa and Europe consulting with mining companies. Katy joined Anglo American last year as their Head of Communication and Engagement for the Technical and Sustainability Group, heping make mining more sustainable.

Discuss:

- ★ *What do you think of Katy's job?*
- ★ *Do you have any fun rock facts?*

Desserts *5 min*

Share with us ..... 1 min

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

Digest..... 2 mins

Digest this Meal Plan - fill out the feedback form.

Mains *20-30 mins - choose ONE only*

MAKE..... 20 mins

Ingredients: *Rice Krispies, 10 oz marshmallows, 3 tbsp butter, 1 cup chocolate chips, chocolate sweets, 8x8 inch tin.*

Catherine works with rocks. There are 3 different types of rock. Today we will be focusing on one of these rocks, called sedimentary rock.

1. *Grease the pan.*
2. *Microwave the marshmallows and butter together for 1-2 mins. And then mix in the Rice Krispies.*
3. *Smooth halve the Rice Krispies mixture across the bottom of the tin. This will represent the oldest layer at the bottom of the rock. This layer is squashed under a lot of pressure so squish it down hard.*
4. *Sprinkle in your chocolate chips across the top. Sedimentary rocks may contain fossils of animals and plants trapped in the sediments as the rock was formed.*
5. *Add the remaining Rice Krispies mixture on top. This forms one of the younger layers in rocks so it doesn't need to be squished down as much.*
6. *Spread your chocolate sweets on top and press them down.*

EXPLORE..... 20 mins

Ingredients: *paper, colouring pencils, internet access.*

There are 3 different types of rock that Catherine has to work with, sedimentary, igneous and metamorphic. Choose 1 type of rock and do a bit of research on this rock type. Create a poster or presentation that tells us all about this rock and where in the Earth's crust we might find it. Present your posters or presentations at the end of the session.