



First released Spring Term 2019

Starters 5 - 10 mins

Announcements..... 1 min
Share club member achievements.

Snack, Cackle & Pop..... 2 mins
Snack: Rice Cakes - yummy!
Cackle:

I'd put
a skeleton
pun here, but
it's not so
NUMERUS



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

Meet Her..... 5 mins
Nina is the CEO & co-founder of EpiBone, the world's first company growing living human bones for skeletal reconstruction. She completed a PhD & postdoc in stem cells and tissue engineering and an Executive MBA in healthcare entrepreneurship. Named one of the 100 most creative people in business by Fast Company, she is also a TED Senior Fellow.

Watch: bit.ly/007MeetThem

Discuss:

- ★ What do you think of Nina's job?
- ★ Did you know you could grow bones in a lab?
- ★ Which bone is the biggest in the human body?

Mains 20 mins - choose ONE only

MAKE..... 20 mins
You are a biomedical engineer and your friend has broken a bone and you must replace the bone using only items you can find in the room. You must find an alternative item to replace the bone. Keep these questions in mind when designing your prototype:

- ★ How strong is your prototype?
- ★ How lightweight is your prototype?
- ★ Can it support weight?
- ★ Is your prototype the same size as the broken bone?

In a pair, choose a bone to replace. Start by thinking of the functions of that bone and what your prototype will need to do. Then start creating your prototype out of the items in the room. Discuss your prototypes together as a club and feedback any improvements to each other. Be constructive with your feedback.

EXPLORE..... 20 mins
Nina has to know the bones of the human body really well. Create a song or rap about the bones in the human body to help Nina remember them. Perform your musical masterpiece to your club. If you want you can go on YouTube for a backing track.

Desserts 5 mins

Share with us 1 min
Upload photos on Twitter or Instagram and tag @Stemettes and #Stemillions.

Ask Her..... 2 mins
Got a question? Ask Away! bit.ly/Ask-Away

Digest..... 2 mins
Digest this Meal Plan bit.ly/digest007