



First released Spring Term 2019

Starters 5-10 mins

Announcements..... 3 mins
STEM events/competitions (check OtotheB), share achievements and welcome new members.

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

Snack: Pineapple - Yummy

Cackle:



Pop: Stemillions Playlist - add your own music!!

Meet Her..... 5 mins

Marcella Araica is an American recording and mixing engineer, who has recorded and mixed tracks for artists including Britney Spears, K Michelle Madonna, Pink, Duran Duran and Keri Hilson.

Watch: [meet Marcella in this video](#)

Discuss

- ★ What did you think of Marcella's video?
- ★ Have you heard of a recording and mixing engineer before?
- ★ If you could be a recording and mixing engineer for anyone, who would it be?

Mains 20 mins - choose ONE only

MAKE..... 20 mins

Stretch a piece of cling film across the top of a bowl. Use a rubber band to hold the cling film in place. Adjust the cling film so it is as tight as possible with no wrinkles (be careful not to break it). Place the bowl on a flat surface and add some sprinkles on top of the cling film. Bring your lips close to the bowl, and try humming; watch what happens to the sprinkles. If nothing is happening, try humming louder.

- ★ Try humming in a higher/lower pitch.
- ★ What happens if you use sugar instead of sprinkles?
- ★ Try putting the bowl in front of some music?

Make a note of all your observations.

EXPLORE..... 20 mins

Audio Engineering is a branch of engineering that not many people think about. Make a poster explaining some of the different types of audio engineering and some of the different companies that need audio engineers. [This webpage](#), could be a good place to start.

- ★ See if you can find any women

Desserts 5 mins

Share with us 2 mins

Upload photos of your MAKE or EXPLORE to the MightyNetworks or tweet/instagram.

Ask Her..... 1 min

If you or your club have any questions, ask our STEM agony aunts; [bit.ly/askagony aunt](#)

Digest..... 2 mins

Do [#072 Digest](#) on MightyNetworks or [bit.ly/digest072](#)