

STEMillions

Tracy Chou

First released Winter Term 2018



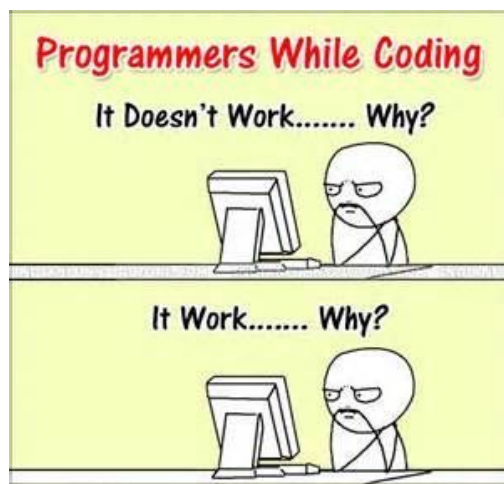
Meal Plan
#028
30 mins

Starters 5-10 mins

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

Snack, Cackle & Pop..... 2 mins
Snack: Carrots and Hummus

Cackle:



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

Meet Them 5 mins
Tracy is a software engineer who has worked for companies like Facebook, Google and Pinterest. She is working to get companies like Google and Facebook to publish the demographics of their employees to encourage gender diversity.

Watch: bit.ly/028MeetThem

Discuss:

- ★ What did you think of the video?
- ★ What is a computer program?
- ★ What does Google do?

Mains 20 mins - choose ONE only

MAKE..... 20 mins
Your school wants to create a new computer program to help students keep on top of homework and coursework, almost like an online planner. Design the computer program for your school. Think about:

- ★ Different subjects and timelines
- ★ Communication between teachers and students
- ★ Group projects
- ★ Submit homework/ coursework online?

Use powerpoint to design the layout of the new program and if you have time, present your new program to your club.

EXPLORE..... 20 mins
Get in to groups of 3 or 4. The aim is to write instructions/code for a 'robot' to stack cups in a 3,2,1 formation (3 at the bottom, 2 in the middle and 1 on top). You will have 3 minutes to first write your instructions without using the following:

- ★ 'Pick-up'
- ★ 'Put'

Then take it in turns to be the 'robot' and another team member read your instructions and see if you can successfully code the robot to build the cup stack. If no team member does it successfully first time, edit your instructions/code and try again. See who can make the cup stack the quickest. If you complete this, try and write instructions without the word 'move' and try again.

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

Digest..... 2 mins
Digest this Meal Plan bit.ly/Digest028

Desserts 5 mins

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