STEMILIONS Jennie Kam

First released Spring Term 2020



Meal Plan #077 30 mins

Starters 5-10 mins

Snack, Cackle & Pop...... 2 mins Snack: grab a snack before you begin!



Pop: Stemilions Playlist on Spotify bit.ly/stemillionsplaylist

Meet Her..... 5 mins

Jennie is a security researcher in Cisco's Security and Trust Organization. Jennie is also an active speaker and participant in the women in computing community as well as the cybersecurity industry.

Watch: Meet Jennie here

Discuss:

- ★ What do you think of Jennie's job?
- \star What does a security researcher do?

Mains 20 mins - choose ONE only

MAKE...... 20 mins

You will need: internet access.

Jennie loves to code so for this activity, we will do some coding on scratch. Go to Scratch, you don't need to create an account, click 'Start Creating'. Code 2 sprites to have a conversation about Jennie and her job. You can find out more about Jennie here or by doing your own research. Alternatively, you can code 2 sprites to have a conversation about cybersecurity and how to stay safe online.

EXPLORE...... 20 mins

You will need: 2 different coloured pens/pencils, paper.

Jennie has to know how to code in her job. For this activity we will look at one type of code, Binary. One of the most common uses for binary nowadays is in computers: binary code is the way that most computers send, receive, and store information. This code uses two symbols, 1's & 0's to represent letters. One colour will represent 1, the other will represent 0. Try and write your name (or nickname) using the binary alphabet. Here is a link to the Binary alphabet to help.

Remember to send us your creations on email at <u>team@stemettes.org</u> or send them to us on Twitter or Instagram, @Stemettes.

Desserts 5 min