Maria

First released for Outbox 2021

Outbox Junior 2021

SECURITY SERVICE MI5
SECRET INTELLIGENCE SERVICE MI6
GCHQ

Starters *5-10 mins*

Snack, Cackle & Pop.................................. 2 mins
Snack: *Grab a snack before beginning*
Cackle:

What did the spider do on the computer?

It made a website!

STEMettes

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

Meet Her.. 5 mins
Maria is a Linux Infrastructure Engineer at MI6. At university, Maria studied Uni (BSc Business Information Technology). Linux is an operating system like Windows or MacOS.

Discuss:
★ *What do you think of Maria's job?*

Desserts *5 min*

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

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

Digest.. 2 mins
Digest this Meal Plan - fill out the feedback form.

Mains *20 mins - choose ONE only*

MAKE... 20 mins
Ingredients: *Pens, paper, colouring pencils.*
Maria is an Infrastructure Engineer which means Maria is responsible for designing, building and maintaining the IT infrastructure at GCHQ. In this activity, you will have a go at designing your own webpages for your family.
Firstly, make a list of all the things that might be helpful to have on a website for you family...
★ *For you family, it might be helpful to have a page of recipes for dinner and another page for everyone's after school activities.*
Next, draw a colourful webpage with lots of buttons and label all the handy features of your webpage.

EXPLORE.. 20 mins
Ingredients: *socks, pen, paper, a partner.*
1. *Place the matching socks in a pile. Make sure pairs have been separated.*
2. *Now, imagine you are a programmer telling a robot how to sort the socks into pairs.*
3. *Write a set of instructions to sort the socks into matching pairs. In programming this is called writing an algorithm. If there are any repetitive actions, they can be written as "Repeat steps a-b". This is called writing a loop.*
4. *Once each person has written instructions it's time to test them! Players will take turns being a "Programmer" and a "Robot." The first programmer will read their instructions to the robot. The player who is the robot will follow the exact directions read to them. If you are the robot, it's important that you only do what the programmer tells you, no more or less!*
5. *If the robot can't sort the socks as directed, the programmer should fix the unclear parts. This is called debugging.*