



## STEAM News

### What do you want to be when you grow up?

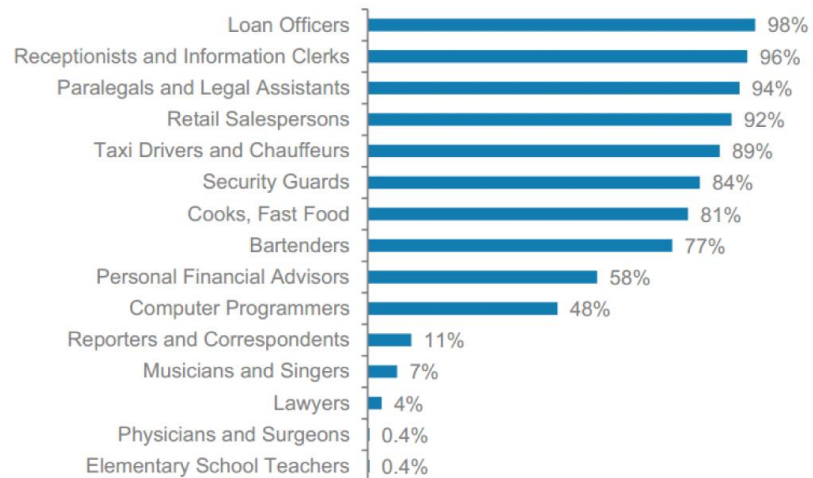
Some students have known the answer to that questions since they were 4! Others may need to re-think their early aspirations (I want to be a unicorn!). Whilst others have no ideas whatsoever!

The workforce of the future is evolving with the possibility that some of the careers our students will pursue have not even been invented yet. Employers talk about “soft skills” such as critical thinking, creativity and collaborative skills being important.

The STEAM team at MGC want to give our Year 9 students some ideas about the future of work and possible career pathways before they begin the important course selection process. On the 14<sup>th</sup> of June, we will hold a STEAM Careers Day, featuring some inspirational guest speakers and career pathway workshops. Students will be able to select which workshops they attend. Stay tuned for more information.

### Markets Chart of the Day

**Exhibit 8:** Probability of a job becoming automatable



Source: University of Oxford, C.B. Frey and M. Osborne, Morgan Stanley Research  
Note: Select occupations ranked according to their probability of becoming automatable.

BUSINESS INSIDER

Will a robot take my job? Have a look at this website to find out  
<https://willrobotstakemyjob.com/>

Space Camp 2019 – Information Night

## SPACE CAMP 2019 Information Night



**Through these doors  
enter the world's future  
astronauts, scientists  
and engineers.**



Thank you to all that attended the Space Camp 2019 information night and to our 2017 Spacecampers : Jenny, Sophie and Claudia who spoke so well. We've had an amazing response of interested families (more than double the last camp). We're working on the logistics of the camp now and will be in touch soon regarding what happens next.



May the 4<sup>th</sup> be with you...



## **MAY THE 4<sup>TH</sup> BE WITH YOU**

This **STAR WARS DAY**, join the **STEAM TEAM** in celebration of all things sci-fi, nerdy and Star Wars.

Come along **FRIDAY LUNCH** and enjoy:

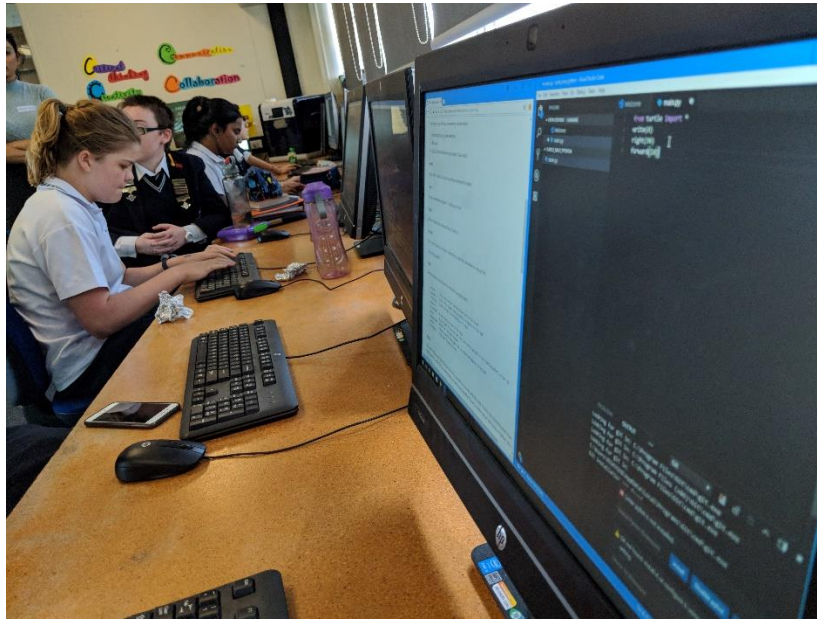
**A NEW HOPE** will be showing in **L1&2** (Thur & Fri)!

**JEDI TRAINING** will be running on the **GRASS BY THE RIVER!**

**THE GREEN SCREEN** will be set up on the **CANTEEN DECK!**

MGC celebrated Star Wars Day (May 4<sup>th</sup>) with many Star Wars inspired events around the college including lightsabre training, green screen, force techniques, drone flying and a screening of Star Wars : A New Hope.

## CARSALES : Python Coding Introduction



On the 19<sup>th</sup> of April, we were visited by six computer programmers from the Carsales company. They taught the students and teachers about the basics of python coding and we used the commands we learned to make a turtle race. We had to draw the race track, program the positions of the turtles and use random numbers to run the race. We all learned a lot and hope that Mai, Anthea and the team can come back again.



## Data 61 Visit

On Friday, MGC had a visit from Erin McColl, a Mechatronics Engineer from Data 61, a division of the CSIRO. Erin was our “prize” for the Safer Internet Day competition winners. She spoke to the Year 7 winners about her career path and her love of robotics. She brought along a large hexapod robot called Zee which has been designed to inspect places where humans can’t go. She impressed us all with how the lidar worked to map the world. She presented each winner with a BB8 Keyring that she had designed and 3D printed.

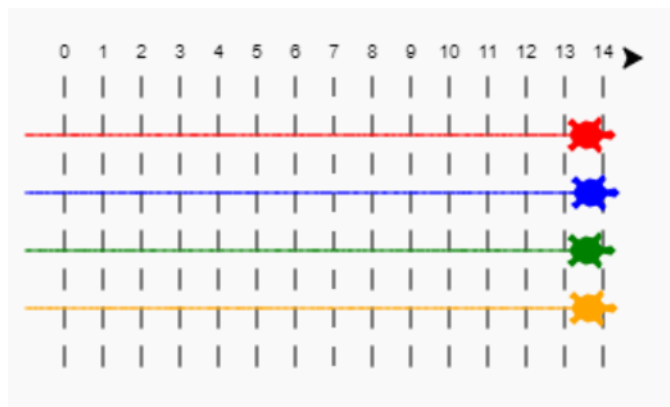
```

6 speed(0)
7 penup()
8 goto(-140, 140)
9
10 for step in range(15):
11     write(step, align='center')
12     right(90)
13 for num in range(8):
14     penup()
15     forward(10)
16     pendown()
17     forward(10)
18     penup()
19     backward(160)
20     left(90)
21     forward(20)
22

```



Erin also spoke to the Year 9 STEAM robotics class about what lead her to her love of robotics, what she studied at university and the projects she has been involved with. There were lots of great questions!



## Upcoming Events (Subject to change)

It takes a Spark Conference	Term 3 14/9
Year 9 STEAM Careers Day Superstars of STEM	14 <sup>th</sup> June
FIRST Lego League 2018	Registrations now! Event in Oct/Nov

## Useful MGC Links

Compass	<a href="https://mgc.vic.jdlf.com.au">https://mgc.vic.jdlf.com.au</a>
MGC eMail	<a href="https://exchange.mgc.vic.edu.au">https://exchange.mgc.vic.edu.au</a>
Moodle	<a href="http://moodle.mgc.vic.edu.au">http://moodle.mgc.vic.edu.au</a>
MGC Dropbox	<a href="https://goo.gl/b4CWae">https://goo.gl/b4CWae</a>

MGC's Public Site	<a href="http://www.mgc.vic.edu.au">http://www.mgc.vic.edu.au</a>
Parents' Association	<a href="https://goo.gl/aeIBn3">https://goo.gl/aeIBn3</a>
Alumni Association	<a href="https://goo.gl/fjYAek">https://goo.gl/fjYAek</a>