

# Careers E-Bulletin

Issue 8 – 20 January 2023

**Y7 – Y13 Speakers' Club - Careers in Real Estate, Surveying and Architecture – Tuesday 24 January 1.30pm**



GT GARDINER  
& THEOBALD

Are you thinking of a career in Architecture, Real Estate or Surveying? Former pupil Matthew Calvin, from Gardiner and Theobald, will be coming in to talk about these careers. He can also offer advice for anyone looking to do any type of Property or Construction related degree at university. Come and join us in GG12 at 1.30pm on 24 January.

## Could you offer a work experience placement?

All of our Y10 pupils will be enjoying a week of work experience, 26 – 30 June, and they are currently trying to source a placement. Could you, or someone you know, offer a placement for the week? This is a great opportunity to nurture young talent and potentially inspire someone about their future. If you would like to offer a placement or would like further information please let me know– [caroline.foster@kingsmac.co.uk](mailto:caroline.foster@kingsmac.co.uk) Many thanks.



## Y11 and Y13 Amplify Schools Guide to Finance and Investing Work Experience



Amplify have just released a guide setting out a number of work experience opportunities in the finance and investing sector. Please contact Mrs Foster if you would like a copy.

## Y10 – Y12 US University Application Workshop – 25 January 2023



In this webinar, former Stanford Admissions Officer Martin Walsh will break down what it takes to impress top US universities on the lookout for the world's best talent. Martin will explain what these universities are really looking for (hint: not just good grades!), how to craft a winning essay and why early application matters. To help you start thinking about your own pathway, he will also be sharing the profiles of former students who have successfully gained admission to schools such as Stanford, Harvard and MIT, which are known for

their low acceptance rates (as low as 4.6% from over 44,000 applicants last year!). Booking Link: [here](#)

## Y11 and Y13 Buxton Opera House Work Experience, Acting or Technical Theatre – 3 – 14 July 2023

BUXTON OPERA HOUSE  
& PAVILION ARTS CENTRE

BIF  
Buxton  
International  
Festival

PLATFORM

Buxton Opera House and Buxton International Festival will be forming a team of young actors and technicians and rehearsing then touring a 35 minute version of Hamlet to schools for years 5-7 including a workshop focusing on young people's mental health. It is a two week placement and you would need to attend both weeks.

The closing date for applications is 31 January. Please contact Mrs Foster for an application form.

## Y10 – Y13 Improving your digital and tech skills to enhance your career prospects

Skillsgap are running a series of workshops led by industry experts to help you get a head start your career. The small-group online workshops are 3.5 hours long and cover everything from the basics of AI, hacking or coding, to the unique job opportunities in each sector. You will also get a chance to try a hands-on practical exercise, and put questions to a panel of industry experts.



[Careers in Hacking](#) - Saturday, 4 Feb 2023

Top-flight businesses and governments the world over are recruiting for a new elite force: a band of ethical hackers charged with protecting our most sensitive information and the infrastructure that powers our everyday living. This online workshop is taught by Daniel Wilkinson, a Security Consultant at NCC Group. He'll give a beginner's guide to ethical hacking and the skills you'll need to succeed, with practical experience of hacking your way into a vulnerable online storefront.

[AI in Astrophysics](#) Saturday, 4 Feb 2023

With new telescopes powerful enough to see galaxies formed in the wake of the big bang, this online workshop

introduces the AI helping scientists to interpret this data to identify stars and plot the shape of the universe. Taught by Joe Sims, an AI PhD student at Leeds University, you'll step into the inspiring world of AI in astrophysics and get first-hand experience of using a neural network to classify stars.

#### **AI in Engineering** - Saturday, 25 Feb 2023

Finding new and optimal ways of doing things is at the very core of engineering. Which makes it the perfect partner for AI and machine learning, from smart production lines to image processing technology that allows machines to see. This online workshop is led by civil engineer and data scientist, Johan Hagstrom, who will introduce you to key AI algorithms and trends. You'll also get hands-on experience with Python, being guided through a computer vision algorithm that can detect cars on the road – a peek into the world of self-driving vehicles.

#### **AI in Finance** - Saturday, 25 Feb 2023

The world of finance has been an early adopter of machine learning, from fraud detection to finance chat bots, yet it's still just touching the surface of AI's potential. This workshop is led by Chelsea Murray, a data scientist at ING with a Masters in Machine Learning and Machine Intelligence from University of Cambridge. Chelsea will introduce you to the vast range of financial AI applications and give you practical experience training a machine learning algorithm to predict credit card fraud.

For further information and to register for any of the events, please visit [www.skillsgap.tech](http://www.skillsgap.tech).

If you have any questions please contact me at [caroline.foster@kingsmac.co.uk](mailto:caroline.foster@kingsmac.co.uk)