

1st generation UCA graduates celebrated

15 April 2024



Two graduates from the University for the Creative Arts (UCA) in Epsom, Surrey have been named in Universities UK's 100 Faces campaign, celebrating the stories and achievements of first-generation students.

McKenna Marsden and **Troy Hunter** feature in the campaign's arts and sports talents category alongside Happy Valley star, Amit Shah, the crime writer Sir Ian James Rankin OBE, and BBC Sports Personality of the Year 2022, Beth Mead. All 100 graduates listed by Universities UK were the first in their families to attend university.

"Going to university gave me a lot more independence and taught me new skills, developing my abilities in a subject which was once just a passion," said McKenna, who is a BA (Hons) Fashion graduate. He was chosen by British Vogue as one of its top 50 emerging designers, showcased his graduate collection at London Fashion Week, and interned at Christopher Kane.

He said: "University gave me stability while allowing me to break into the fashion industry, leading to many big achievements. I don't think I would have had the success I did without studying at university."

Originally from Newcastle, McKenna's working-class background was the main inspiration for his final graduate fashion collection and continues to influence his designs.

"Anything is possible if you believe it and work hard for it no matter how many setbacks you may have, if you believe you can achieve your goals you can," McKenna added.

Troy, who graduated from UCA in 2013 with a degree in BA (Hons) Film Production, has gone on to write episodes for the hit Netflix show Sex Education and an episode of Eastenders. He was also nominated for Outstanding Breakthrough Creative (Television) at the NAACP Awards.

Troy said: "Studying film production at UCA made a huge difference in my life, it gave me the confidence and determination to continue pursuing a career in the TV and Film industry when people around me were telling me otherwise."

His success continues in the form of a short film called Mya and his debut play Black Pride, as well as a television adaptation of the same name, with Maia Pictures.

New research commissioned by Universities UK revealed the transformative impact of going to university, with almost three-quarters of first-in-the-family students agreeing their degree gave them the confidence to apply for jobs without feeling like an imposter.

Vivienne Stern MBE, Chief Executive of Universities UK, said: "There are those who say that too many people go to university. I disagree. These stories tell you why. In this country, you are still twice as likely to go to university if you are from the wealthiest background, compared to the least wealthy. That's not right."

New SEND school blocked by Nimby?

15 April 2024



A group of Surrey parents say they are "devastated" and fear it is back to the drawing board after plans for a 'much needed' special needs school will likely be quashed.

Planning permission was approved by Mole Valley District Council (MVDC) in March 2023 for a state-run Betchwood Vale school on the site of the vacant Chalcraft Nursery and garden centre. Around 82% of kids with special educational needs and disabilities (SEND) have to commute out of the district to go to a specialist school. One mum said she covers 80 miles a day on the school run to access education for two of her children

But a single claimant took it to the High Court to challenge the procedure on the way the decision was made on two grounds: application of the environmental habitat regulations and traffic flow. The court has said the first point is valid and thrown out the second.

Using his delegated authority, the council's Deputy Chief Executive decided not to defend the legal challenge, asking the court to quash the decision, given the legal costs.

Originally scheduled to open in September 2023, parents say they were thrilled to think there might 'finally be a school locally' to cater for their needs.

Elizabeth Marett, mum and campaigner for the school, told the Local Democracy Reporting Service that she feels education for disabled children is not being prioritised. She said: "I am disappointed, angry and upset with the local residents who have taken it upon themselves to oppose the schools because they are essentially saying the education of disabled children is unimportant."

"There are children who need schools, and if this isn't built, their future is very bleak. Is there any way we can convince these people that what they're doing is really damaging for the local children of the future? These schools are hard to come by. There are so many children in the county that need to go to this school." Other parents called it a "bitter blow" to the SEND community.

Elizabeth said some children in her son's class "have nowhere else to go" as mainstream school is not possible for children with anxiety and complex needs.

Betchwood Vale school is likely to be for high-functioning autistic children, who do not have other learning disabilities, if it goes ahead. It would teach children between seven and 19 years old, providing places for around 60 pupil in its first year and going up to 180 children over a few years.

Currently, more than 100 autistic children who live in Mole Valley and require a specialist place go to school out of their district, meaning they spend a long time every day travelling large distances between home and school.

One mum said she covers 80 miles a day on the school run to access education for two of her children whilst another is transported 22 miles in the opposite direction.

Fighting against the application in the planning meeting (March 2023) was an unofficial group called Ladyegate Road Residents Association Ltd (LRRA). The

group, named after a private road near the site, objected to the application because of the adverse impact on traffic flow and approach to Dorking, the negative effect on biodiversity and that no alternative options have been investigated for the site.

Planning documents reveal Surrey County Council (SCC) Highways warned of “minor” impacts to traffic on the A25 junctions as a result of the proposed school. It also added conditions of improving vehicle access on nearby Punchbowl Lane.

Cllr Joanna Slater (Conservative for Leatherhead South) said: “What is also troubling is that this has happened completely behind the scenes. Councillors did not know.”

The council’s Development Management Committee (DMC) meeting on 3 April heard that the team claim they were not informed of the SEND school decision being changed or is likely to change. A spokesperson for MVDC said it is not “unusual practice” for a decision to be taken by a senior officer under delegated authority. They said all local ward members were kept updated in the proceedings.

Cllr Slater added: “At best this is a delay to the SEND school opening. At worst, it will result in the whole project failing as the budget for planning permission has been spent.”

Clare Curran, Lead Cabinet Member for Children and Families at SCC, said: “We are disappointed with Mole Valley’s decision not to defend the judicial review. The proposed Betchwood Vale Academy is critical to achieving Surrey’s ambition that autistic children are educated closer to home.”

SCC have promised to deliver 2,440 permanent additional specialist school places in Surrey between 2019 – 2026 to create capacity for 5,760 planned places by 2030/31.

SCC said it has been advised by the Department of Education of their ongoing commitment to deliver Betchwood Vale Academy in full once a positive planning application has been confirmed.

A Mole Valley spokesperson said: “We are working as quickly as possible to get a decision from the Court. Once that is made, we will reconsult on the planning application and soon after – return the application to the Development Management Committee to make the planning decision.”

It added: “This will allow us to ensure that there is no future potential for legal challenge and that once a new decision is made, if it is to again approve the application, then the delivery of the school can start swiftly.”

The Department of Education has been contacted for comment.

The Ladyegate Road Residents Association is not an official body. The Local Democracy Reporting Service (LDRS) tried to contact the group for additional comment but was unable to do so.

Related report:

Surrey to SEND £40m for special schools

Image: Betchwood Vale SEND school plan. From Design and Access statement. Credit: Jestico + Whiles Associates Ltd.

£1.1 m boost for Surrey Uni’s solar thermal research

15 April 2024



Solar-thermal devices that have the potential to transform how we heat our homes and generate power on a larger scale are being developed by a team led by the University of Surrey. This exciting project has received a £1.1 million grant from the Engineering and Physical Sciences Research Council (EPSRC).

The main goal of this research is to create new designs for surfaces that can selectively absorb sunlight while also efficiently emitting heat in the form of near-infrared radiation. These devices are different from solar cells, which typically convert sunlight into electricity; solar-thermal devices use sunlight to generate heat, which can then be used for driving mechanical engines or converted into electricity.

The research project is led by Surrey, in collaboration with the University of Bristol and Northumbria University and combines their expertise in photonics, advanced materials, applied electromagnetics, and world-class nanofabrication facilities.

Professor Marian Florescu, Principal Investigator from the University of Surrey, said:

“Our project is not just about innovating; it’s about responding to a global necessity. The sun showers us with a tremendous amount of energy every day, far more than we currently capture. By developing these advanced solar-absorbing surfaces, we are opening up new, efficient ways to harness this abundant solar energy. Our goal is to transform how we use sunlight, making it a powerhouse for clean and sustainable energy that meets our growing needs without harming the planet.”

The project has several aims:

- To develop solar absorbers that can work well even at very high temperatures.
- Improve the efficiency of the team’s special solar-absorbing structures. The team plans to build prototype models to demonstrate how well they work.
- To better understand and ultimately improve how these devices handle and perform with the heat they generate from sunlight.

Professor Marin Cryan, Co-Principal Investigator from the University of Bristol, said:

“The University of Bristol has been developing thermionic solar cell technology for a number of years. These use concentrated sunlight to heat materials to the point where thermionic emission of electrons occurs, which can form the basis of high-efficiency, low-cost solar cells. This exciting project will develop very efficient solar selective absorbers, which will be an important component of the overall cell design.”

Dr Daniel Ho, Co-Principal Investigator from Northumbria University, said:

“Northumbria University is at the forefront of thermophotovoltaic research, utilising a specialised microscope heating stage alongside an in-house built Fourier imaging spectroscopy system. This advanced thermal analysis technique enables comprehensive and angle-resolved scattering analysis across both visible and infrared spectrums, even under vacuum conditions and at temperatures as high as 1000°C.

“We are excited to work with our partners to help achieve pioneering developments in renewable energy research.”

Epsom squash team stand the squeeze

15 April 2024



When five girls from **Rosebery School, Epsom** formed the school's first ever squash team just six months ago with a view to entering the England Squash National Schools Championships 2023/24, little did they know how far they would go in this tough and prestigious tournament. Being a state school with no on-site squash facilities, they knew they would be competing against a lot of private schools around the country, many with their own squash courts and dedicated coaches. They were, however, all keen squash players and junior members of **Ebbisham Sports Club** in Epsom where they trained on a regular basis.

By dint of their considerable success in Stages 1 and 2 of the Championships, held respectively at Limpsfield Club in November 2023 and **Epsom College** in January 2024, the Rosebery School Girls Squash Team were delighted to learn that they had done enough to qualify for the Finals held in Birmingham on 14th March. One of the top eight teams from around the country to reach the Finals, the Rosebery Squash Team battled hard through three very tough matches during the course of a long day, with some excellent individual match wins and some very close losses. Whilst they came extremely close to beating one of the other schools, in the end the Rosebery team had to settle for final place, but did so with a smile on their faces and knowing they had given the Championships their all.

Gillian Mead

NESCOT marks 70 years with a tree

15 April 2024



Nescot (North East Surrey College of Technology) in Ewell marked seven decades since its official opening with a commemorative tree planting in the college grounds today (22.03.24). The Mayor Epsom & Ewell, Councillor **Rob Geleit** (Labour Court Ward) planted a silver birch along with **Julie Kapsalis**, Principal and CEO of Nescot and **Chris Muller**, Chair of Nescot Corporation. They were joined by three students, Donna from our Supported Internship programme; Kirsty from Access to Nursing and Anna from Catering who have all had a successful term and made an impression.

Speaking at the tree planting, Julie Kapsalis, said: "It is wonderful to have students take part in this historic moment as without them and the many thousands who walked through these gates before them, we would not be here.

"As we reflect on 70 years of Nescot today, by planting this beautiful silver birch tree we are also looking to the future of education here, which we hope will be sustainable, ever-growing and long-lived. Maybe in 70 years' time - 2094 - people here will be looking back on photos from today, admiring this tree in its full maturity, and be reflecting on education and what Nescot means to them."

Marking the commemorative event with the tree planting, the Mayor of Epsom & Ewell, Cllr Rob Geleit, said: "It is an honour to be here today to plant this commemorative tree to mark Nescot's 70th anniversary. I hope in 70 years' time someone similar will be doing the same thing."

Julie added, "When this site was formally opened on 22 March 1954, the world was very different and courses such as Home Economics, Flower Arrangement, Guest House Management and Typing were on the curriculum, along with a number of more scientific and technical subjects. Today, our curriculum includes learning opportunities in electric vehicles, artificial intelligence, robotics, gaming, sectors which could barely have been imagined in 1954.

"We can be proud of the role that Nescot plays, offering increased opportunities for people from all walks of life to gain the skills and qualifications they need for a successful career and continuing to provide learning for the local community in Epsom & Ewell and our surrounding region."

Students and staff took part in a variety of events throughout the day and during the week organised by various curriculum areas that included activities, displays and even a 1950s lesson for some of our plumbing apprentices to mark Nescot's 70 years.

Nescot began life as Ewell County Technical College, with the first students beginning courses in September 1953 and the establishment being formally opened the following March. Explore the college's rich history, evolution of education and community engagement on our website here.

Related reports:

[The fellowship of NESCOT](#)

[NESCOT Saturday academies for the young](#)

[Coursera & NESCOT to enhance further education](#)

[Epsom and Ewell's Technology College 70 years young](#)

Photo: (Centre) The Mayor of Epsom & Ewell, Councillor Rob Geleit at the commemorative tree planting of a silver birch to mark Nescot's 70th anniversary along with (left to right), Catering student Anna, Principal and CEO of Nescot, Julie Kapsalis, Access to Nursing student, Kirsty and Chair of Nescot Corporation, Chris Muller. Credit: Nescot

Worcester Park school celebrates

15 April 2024



Worcester Park's Linden Bridge School caters for 144 students with autism and complex social and communication needs from four to 19-years-old, including 20 in the sixth form and a residential facility which can accommodate 32 places, with pupils typically staying for two nights a week.

The school's pupils are exceptionally well-prepared for future life, and they feel valued and secure as a result of strong relationships with staff, says a recent Ofsted report, which judges pupils' personal development to be 'outstanding'.

The school was inspected in January and graded 'good' overall, recognising the ongoing improvements made since joining **The Howard Partnership Trust** in 2021, at which time it was judged as 'requires improvement.'

Principal, Mrs **Claire Gungah** said "We are absolutely delighted that the inspection report confirms that Linden Bridge School is a good school with an outstanding provision for the personal development of students.

"In highlighting the many strengths in our school, we are particularly pleased that the report recognises that we are delivering on our core mission, and acknowledges the hard work of staff, the Trust and support from our community in developing the school".

Noting that the report celebrated students being a credit to the school, and demonstrated their strong relationships with staff, she added

"A huge thank you needs to go to the students who were at the heart of the process and as always, made us proud throughout the inspection showcasing their maturity, friendships, communication skills and pride in their achievements."

The report says both the school and the Trust have 'rightly prioritised' improving the curriculum. Work had started at the last inspection, but it has 'gone from strength-to-strength.'

"The school's carefully designed curriculum is now well established in most subjects," notes the inspector.

"Learning to read is given a high priority. A new phonics programme has been introduced since the last inspection and is now securely established. Comprehensive training has ensured that staff are confident about teaching phonics," says the report.

"The school provides an extensive and ambitious range of events and activities. For instance, all pupils experience a sporting event and the oldest pupils are involved in organising events such as sports week."

Surrey Uni taking lead on future network security

15 April 2024



A national effort is needed to train the next generation of the United Kingdom's workforce in intelligent and resilient telecom networks, says a world-leading 5G and 6G expert from the University of Surrey.

The comment comes as the Engineering and Physical Sciences Research Council (EPSRC) announced that Surrey's 5G/6G Innovation Centre will lead a new £8 million Centre for Doctoral Training in Future Open Secure Networks (FORT).

Over the next eight years, FORT will train more than 50 post-graduate researchers, who will become leaders with unique expertise in wireless communications, cybersecurity, networking, and artificial intelligence (AI). Surrey's future cohort will influence the roadmaps of future open networking and security technologies and their applications.

In partnership with Queen's University Belfast's (QUB) Centre for Secure Information Technologies, FORT also enjoys support from more than 21 industry partners. These partners include: Amazon Web Services, Ampliphae, Angoka, AWTG, Catapult Satellite Applications, Cudasip, Ericsson, Hewlett Packard Enterprises, HP, Intel, Interdigital, Keysight Technologies, Kyndryl, National Physical Laboratory, Nvidia, OpenWeb, Qualcomm, Rolls Royce, Virgin Media O2, and Viavi Solutions.

Regius Professor Rahim Tafazolli, FEng, Director of the 5G/6G Innovation Centre at the University of Surrey and Principal Investigator of FORT, said:

"I want to extend my heartfelt gratitude to EPSRC for backing the Future Open SecuRe NeTworks (FORT) initiative. I am equally thankful for the support of our 21 industry partners and look forward to working closely with colleagues from Queen's University Belfast. This powerful team has a unique vision, expertise, and mission of making the UK a powerhouse for future telecommunications.

"In a world evolving at breakneck speed, our programme is designed with this dynamic future in mind. We're committed to nurturing future visionaries and leaders with in-depth knowledge of advanced space and terrestrial networks, environmental considerations, and AI technology. The UK's focus must now shift towards upskilling individuals capable of addressing the cyber security challenges posed by AI and take advantage of opportunities presented by societal shifts, environmental concerns, and industrial advancements."

Along with providing a world-class education with access to industry, FORT will create an environment for students to research new and better ways to build communication networks that are safe, reliable, and ready for the future. FORT is committed to conducting responsible, ethical research in cybersecurity, AI technologies, and future networks, with a strong societal focus. This approach is designed to generate world-class academic contributions and establish a pipeline of talent for the future.

Dr Jesus Martinez del Rincon, Co-Director of FORT and Research Director of Secure Intelligence at CSIT at QUB, said:

"With the FORT programme, we aim to create a community of 50 PhDs who will become the future, industry-conscious thinkers and leaders on secure, trustworthy and autonomous future network communications."

Along with Professor Tafazolli and Dr Martinez del Rincon, FORT will be led by: Dr Tim Brown from Surrey, who will serve as Director of FORT, and Professor Máire O'Neill from QUB, who is Co-Investigator of FORT.

IoT Launch: Nescot Welcomes Industry Leaders

15 April 2024



The Sussex and Surrey Institute of Technology (IoT) at **North East Surrey College of Technology** (Nescot) in **Ewell** welcomed over 60 guests at its opening event on Wednesday 28 February. Visitors had the opportunity to explore the state-of-the-art facilities, participate in hands-on activities and discover the wide range of resources and training opportunities available at the newly opened IoT.

The IoT at Nescot is the first new space to open as part of the Sussex and Surrey IoT and specialises in digital technologies with courses and apprenticeships from software development, cyber security, AI (Artificial Intelligence) and networking to cloud computing, data handling, 'internet of things' and IT support.

Visitors included partners and employers from varied industry sectors who were able to find out the many ways in which they can support the future of skills development in the IT sector. Anchor employers including NatWest, Roche Diagnostics, Southern Water, Pearson and Gatwick Airport pledged their ongoing support to work with the Sussex and Surrey IoT in various ways, from recruiting apprentices and upskilling existing staff to working with curriculum experts to help shape study programmes and providing mentoring.

Nescot staff and students also had the chance to explore the newly opened IoT. Computing staff, and students on our computing courses were on hand to showcase the specialist technology facilities and share their excitement with visitors about the courses available.

Julie Kapsalis, Principal and CEO at Nescot said, "We were delighted to welcome our first guests to the IoT at Nescot which was buzzing with activity the whole day. It's been wonderful to showcase our specialist digital technology facilities, resources and training. We are looking forward to working with businesses and partners to address current skills gaps and prepare for future skills needs."

Demonstrating some of the technology, Joseph, a student on our Level 3 Computing course said, "The focus on specialist digital technologies is a great opportunity to enhance my knowledge. Nescot is the perfect choice for the Institute of Technology with great access and networking opportunities."

Another student, Jeremy added, "I'm really excited about the Institute of Technology which is a great addition to Nescot. The technology and devices being installed here are amazing!"

Peter Goodenough, Computing tutor at Nescot, said, "With the Institute of Technology we can offer progress. Computers are in every walk of life and every industry. The IoT at Nescot is offering courses to enhance future skills and aid long term sustainability. You can choose from a wide range of courses on offer, from learning how to design, create and program smart devices, industrial and home robotics to making you mindful of your digital footprint."

For more information on the IoT at Nescot please visit their website

Sussex and Surrey IoT

The Sussex and Surrey IoT includes Nescot, Chichester College Group (CCG) and the Universities of Sussex and Brighton. The IoT will enhance higher level skills training, with a new state-of-the-art hub and specialist satellites for delivery at locations across the region. The investment will create new cutting-edge facilities for higher level technical training with a focus on digital, sustainable technologies, engineering and construction.

Find out more about the Sussex and Surrey IoT here

Image: A guest trying some of the VR (Virtual Reality) kit in the VR room at the IoT. Credit NESCOT

The fellowship of NESCOT

15 April 2024



Nescot (North East Surrey College of Technology) Reigate Road, **Ewell**, celebrated student success at the annual Higher Education (HE) Awards graduation ceremony at **Epsom Downs Racecourse** earlier this month (7th February). 110 graduands along with 300 family members and friends came together to mark the culmination of their hard work.

Degrees, diplomas and professional awards were conferred in over 15 subjects ranging from teaching to osteopathy. Colleagues from Nescot partners including University of Greenwich, Kingston University, Open University were on hand to assist **Julie Kapsalis**, Principal and CEO, with conferring the degrees.

Guests of honour for the ceremony included Councillor **Robert Geleit**, Mayor of Epsom & Ewell (Labour Court Ward), a former HND student of Nescot and **Brian Finch**, Chair of Epsom Downs Racecourse who kindly brought along the amazing Derby trophy. Brian who was the guest speaker, congratulated the graduates on their achievement and spoke about key lessons from his career journey in his inspirational speech.

At the ceremony, annual awards for outstanding endeavours and achievements were also presented by our guests of honour to six nominated students from the Nescot Class of 2023. The prizes included awards sponsored by the College and by the **Rotary Clubs of Epsom and Ewell**.

To mark Nescot's 70th anniversary, Principal and CEO, Julie Kapsalis was proud to award the college's first **Honorary Fellowships** at this year's graduation ceremony. "2024 sees Nescot celebrate its 70th anniversary, to recognise this incredible milestone and achievement, the college is introducing a new Honorary Fellowship award, the highest accolade the college can bestow. It recognises exceptional achievement and excellence by individuals associated with the college," said Julie.

The first Honorary Fellowship was awarded to **Dee Mathieson**, Senior Vice President and Managing Director of Elekta. A former student of Nescot, Dee has had an exceptional career in the science and medical sector. Sharing her journey, she said, "I am very grateful to Nescot for helping me on my way to what has been a fantastic and varied career in cancer care."

The second Honorary Fellowship on the day was awarded to Nescot staff member, **Daniel Addo** from our Security Team. Presenting the award, Julie said, "With

his kindness and positivity he is a wonderful role model and encourages students to make the most of their opportunities both in the college and life.”

The student vote of thanks was given by **Craig Clout**, who graduated with an Integrated Masters in Osteopathic Medicine. Craig spoke about the supportive and collaborative nature of the college community that contributes to everyone’s success.

HE degrees and awards were conferred for the following subjects: osteopathy, animal management, sports therapy, counselling, early years, animal management, healthcare play specialist, food premises inspection, business, creative media (moving image), performing arts, computing, public services, sport and exercise science.

Image: Honorary Fellowship award winners, Dee Mathieson Senior Vice President and Managing Director of Elekta (left) and Daniel Addo, Nescot staff member (right), with Principal and CEO of Nescot, Julie Kapsalis (centre).

Epsom MP cuts ribbon of new nursery

15 April 2024



Children at a new nursery welcomed MP **Chris Grayling** who cut the ribbon to officially open the new provision at an Epsom school.

The **Vale Primary School** now offers a curriculum for two to 11-year-olds and its nursery already has 23 children on the roll with more joining in the spring.

Mr Grayling, MP for Epsom and Ewell, joined **Julian Drinkall**, CEO at GLF Schools, in cutting the ribbon to officially open the nursery on Wednesday 7 February.

“I was delighted to be invited to attend the official opening,” said Mr Grayling. “The additional nursery places will support the government’s expansion of childcare support to working parents and offer the local community free, funded 15 and 30 hour early years places for two, three and four-year olds. It is clearly going to be a really happy nursery,” he added.

The school is a member of the GLF Schools Multi-Academy Trust which has a strategy to promote school readiness by ensuring as many as possible of its primary schools can cater for children aged from two to 11 with a school-run nursery on site.

Sarah Leyland and **Cathy Browne**, co-heads at The Vale, said they were both very proud of the hard work and community collaboration which has seen the creation of ‘such a positive environment for our young children.’

To add to the celebration aspect of the event, a specially made cake depicting the school logo and an array of cupcakes were made by a former parent of the school.

“I am delighted for our community and the parents and carers with us today that GLF can offer this new nursery provision. GLF’s nursery strategy emphasises the importance of ensuring our youngest children have access to high quality early education and being ready to start school,” said Mr Drinkall.

“It was clear today that our new nursery at The Vale Primary School is quickly becoming an integral part of the local community and provides local families with the opportunity to access a new and exciting two-11 curriculum.”

The nursery will be holding an open morning on Wednesday, March 6 and Friday, March 8 and visits can be booked at the school on 01372 273639 or via info@thevaleprimary.org

The Vale Primary School website also has details on how nursery funding is changing and how parents can apply for funded places for 15 hours childcare for two-year-olds. More details on www.thevaleprimary.org