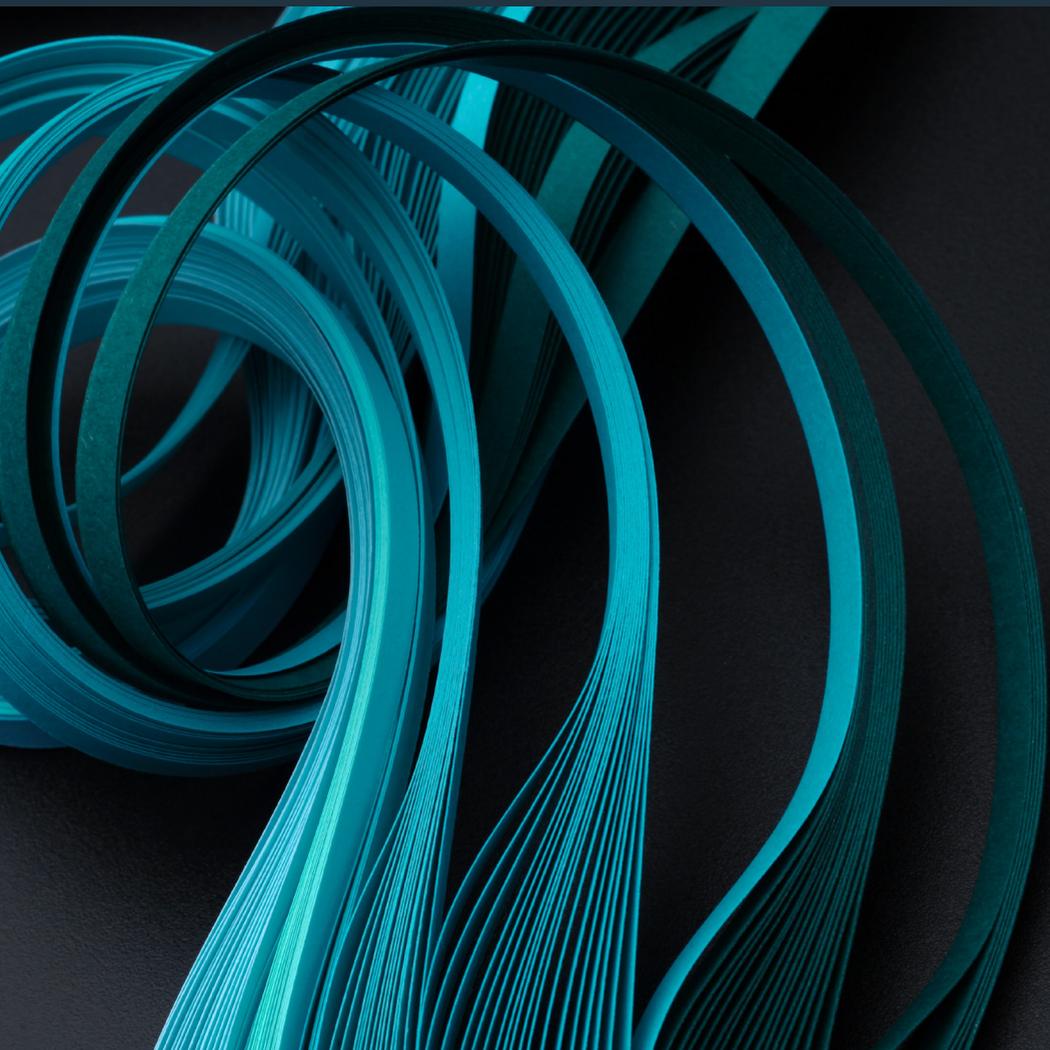


**DESIGN &
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AWARDS | 23**



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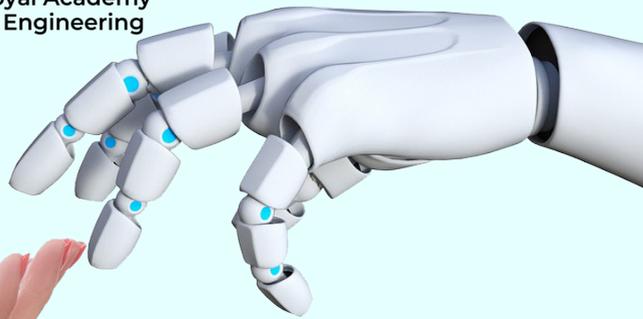


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Welcome



Bill Williams

Chair of the Board of Trustees, Design and Technology Association

On behalf of the Design and Technology Association, I extend a heartfelt welcome to all of you!

It gives me great pleasure to mark the 23rd D&T Excellence Awards event, and we are delighted to have you join us in the magnificent setting provided by Aerospace Bristol.

A warm welcome goes out to our esteemed award winners this evening. Each year, our panel of judges meticulously evaluates an ever-growing pool of nominations across various award categories to pick our winners.

You are here tonight because your nomination stood out as exceptional in its category, and for that, congratulations are in order!

As we are all acutely aware, our field faces a multitude of challenges on a national scale. In these challenging times, it is more crucial than ever to take a moment to celebrate outstanding achievements.

I want to express my gratitude to everyone who took the time to nominate a colleague for this year's awards.

I would like to extend my thanks to all our award winners for your unwavering commitment, dedication, and exceptionally high standards.

Your work exemplifies the profound significance of our field and its positive impact on the development of young minds.

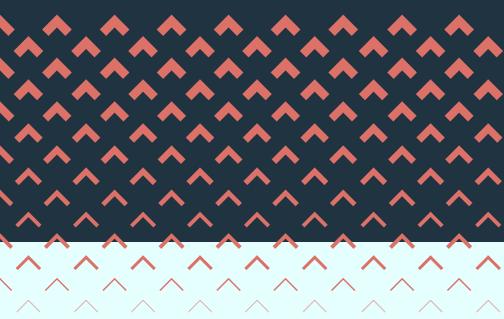
I'd also like to extend my appreciation to the organisations, partners, and supporters who have graciously sponsored our awards.

Furthermore, I would like to offer a warm welcome to all of our esteemed members and guests member organisations present here tonight.

It is heartening to see such prestigious institutions recognising the vital role our field plays and valuing the indispensable contribution that schools, colleges, and individual educators make to design and technology education.

This event is a tribute to the remarkable efforts of talented and devoted professionals in the field of design and technology education.

My hope is that all the winners and everyone in attendance tonight will relish this evening's festivities to the fullest.



Order of Ceremony

6.30pm	Drinks Reception and access to Concorde
7.30pm	Welcome by Tony Ryan and Bill Williams
7.40pm	Starter
8.10pm	Introduction to awards Presentation of categories 1 - 5
8.30pm	Main course
9.00pm	Presentation of categories 6 - 9
9.20pm	Dessert and coffee
9.40pm	Presentation of categories 10 - 13
10.00pm	Keynote Speaker Ben Edmonds
10.30pm	Closing speech by Bill Williams

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Welcome



Tony Ryan

CEO of the
Design and
Technology
Association

Welcome to this year's annual awards ceremony. I am delighted that we have been able to arrange this event at the iconic Bristol Aerospace Centre. This is my sixth awards ceremony as CEO, and I am pleased to be here this evening.

Congratulations to our distinguished winners who grace this evening's event. Hosting this celebration of excellence in design and technology education, not only within the UK but also beyond its borders, is both a privilege and a source of joy.

Given our subject's continued challenges in these evolving and demanding times, this gathering becomes even more significant. Our awards ceremony spotlights the exceptional practice found in primary and secondary schools, initial teacher education, and teacher professional development nationwide.

As the Chief Executive, my foremost duty is to champion the subject and provide unwavering support to our members, making membership an indispensable tool for school improvement and continuous professional development. I'm elated to announce that our membership currently stands at an all-time high, exceeding 33,000 members. While celebrating the achievements of the teachers and students gathered here tonight, this awards

ceremony also honours the countless unnamed educators nationwide who deliver outstanding D&T education to their students.

Blueprint 1000®, a vital initiative you'll hear about throughout the evening, is flourishing. A warm welcome to all our Blueprint members here tonight and thank you for your steadfast support.

This initiative bridges the worlds of education and industry, ensuring that Design and Technology remains integral to a comprehensive and contemporary curriculum, equipping young minds with the knowledge, skills, character, and confidence essential for success in the 21st century.

As your professional association, we persist in our efforts to lobby the government, tirelessly advocating for the significance of our subject, both independently and as a pivotal enabler for thriving careers across diverse business and industry sectors.

I wish you all a pleasant and enjoyable evening.



Congratulations to our deserving and exceptional winners...

The Autodesk Excellence Award for Outstanding Secondary Subject Leadership
Beverly Maloney, Royal Hospital School, Suffolk

The Autodesk Excellence Award for Outstanding Primary Subject Leadership
Tracey Hayter, Yateley Manor School, Hampshire

The James Dyson Foundation Excellence Award for Outstanding D&T Teacher(s)
Stuart Chatterton, Leasowes High School, West Midlands

The Nook Pods Excellence Award for Inspirational Support Staff within D&T
Vicki Wilkinson, Kingswode Hoe School, Essex

The Institution of Engineering and Technology Excellence Award for Outstanding Contribution to D&T (Awarded by the D&T Association Board of Trustees)
Professor Kay Stables, Goldsmiths, University of London

The Institution of Engineering and Technology Excellence Award for Outstanding Contribution to D&T (Awarded by the D&T Association Board of Trustees)
Les Porter, D&T Consultant and Associate Lecturer in D&T Education

The Co2 Laser Repairs Excellence Award for Outstanding Industry Engagement (Teacher)
Michael Williams, Whitchurch High School, Cardiff

The Leo Lion Ltd Excellence Award for Outstanding Industry Engagement (Industry Partner)
Debbie Inman, Talent Partner, Bulletproof, London

The HPC Laser Ltd Excellence Award for Outstanding Departmental Team
Highgate School D&T Department, North London

The Leo Lion Ltd Excellence Award for the Bernard Brown Outstanding Pupil: Age 5-11
Freddie Sweetman, Arnold Lodge, Warwickshire

The Royal Academy of Engineering Excellence Award for Outstanding Pupil: Age 12-16
Avye Couloute, Girls into Coding

The WJEC CBAC Excellence Award for Outstanding Pupil: Age 16-18
Jack Daly, High Degree Apprentice, Jaguar Land Rover

The Autodesk Excellence Award for Outstanding Secondary Subject Leadership



Beverly Maloney

Royal Hospital School, Suffolk



Since starting at the Royal Hospital School in September 2018, Beverly has been proactive in developing the teaching and learning of design and technology and promoting STEM at Royal Hospital School (RHS) and across the local region.

Beverly has introduced a variety of design processes and innovative material use such as concrete and epoxy resin, adding creativity to the curriculum.

Beverly's transformative approach boosted GCSE enrolment by 40%. Beverly is also the STEM lead at RHS; she has promoted STEM across all subjects with a number of cross-curricular events including the introduction of a number of competitions and events.

Beverly has introduced Airgineers competitions and Arkwright Scholarships to her students. Her mentorship led students to the national finals of the UK Junior Water Prize, solidifying her commitment to growth and excellence.

Beverly's dedication to STEM persisted during lockdown, engaging students through remote resources and competitions. Notably, the Great Exhibition at Home Challenge catapulted students to national recognition.

Beverly orchestrated whole-school events like the Sustainable Futures Engineering Innovation Challenge and collaborations with science departments for 'British Science Week' and 'This is Engineering Day'.

Beverly introduced Youth STEM awards, expanding students' STEM horizons. She already has fourteen students from Year 9 to 11 taking part in activities and events to broaden their STEM understanding and progress through the awards.

Beverly initiated the first STEMfest in the region, connecting students, organisations, and educators in a dynamic showcase of STEM careers. She's an ambassador for the Connecting STEM Teachers Programme, driving STEM integration. Her commitment to education is an inspiration to students, colleagues, and the broader community.

The Autodesk Excellence Award for Outstanding Primary Subject Leadership



Tracey Hayter

Yateley Manor School, Hampshire

Tracey is a brilliant primary subject leader who's reshaped design education at Yateley Manor School.

Her passion for nurturing young minds and fostering creativity has transformed the curriculum.

Cross-curricular links are central to Tracey's way of thinking. She seamlessly blends subjects, crafting projects like the Modern Bayeux Tapestry and beach hut designs and the 'Eat Me a Rainbow' project which empowered older pupils to promote healthy eating through creative posters and food art.

Tracey also introduced her Sensory Toy Project where pupils were encouraged to fully appreciate the needs of their customer before the design concept stage. Students explored the feeling of textures 'blind' within sealed envelopes considering how to best describe textures and the emotions they evoked.

She transformed an underutilised outdoor area into a vibrant woodwork room, driven by her resourcefulness and creativity.



Her ability to leverage materials and inspire imaginative design solutions is evident in each project.

Tracey's influence extends outdoors with projects like an outdoor mindfulness pod and a transformed staff room. She rejuvenated spaces through her unique design perspectives, creating havens for relaxation and inspiration.

Her guidance in expressing social and emotional themes to her students has led to impactful products, fostering deeper connections with the world around them.

From her virtual cookery lessons during lockdown to the vast array of creative projects, Tracey's influence radiates within the school community.

She has had a significant impact on pupils, staff, and parents as she continuously infuses innovation into the school experience.

Her dedication, innovative spirit, and boundless creativity celebrates every child's potential as a fearless creator.



The James Dyson Foundation Excellence Award for Outstanding D&T Teacher(s)



Stuart Chatterton

Leasowes High School, West Midlands

Stuart Chatterton joined Leasowes High School in September 2007 as a newly qualified teacher. Very early on in his teaching career there was a very clear passion for D&T.

Within a few years he began to take on responsibility within the department, providing clear leadership in the subject, and leading more experienced members of the team in new inspirational schemes of work. In 2016 he became the Head of Department and has continued to drive the skills of his students.

Notably, his influence extends to overseeing D&T departments across five secondary schools within the Invictus Education Trust while still leading Leasowes' department, earning him the role of Director of Technology across six secondary schools and one primary school.

In a time when D&T faces declining enrolment, Stuart's inspirational curriculum activities, outstanding teaching, and boundless enthusiasm have kept student interest consistently strong.



Stuart has progressed the STEM work across the school and looks for every opportunity for students to get involved both inside and outside the classroom. These include the 'RAF Glider Challenge', 'Royal Aeronautical Society STEM Challenge', 'F1 in Schools', 'STAAR program', 'Army STEM challenges and more recently, 'Girls on Track UK'.

His guidance has led to numerous achievements in these programmes, culminating in Leasowes winning the Glider Challenge annually from 2017 to 2021.

Stuart's legacy also includes empowering students to pursue D&T at advanced levels, sparking interest in engineering careers, and even participating in producing vital PPE during the pandemic.

With a remarkable ability to inspire, Stuart has consistently elevated student outcomes and maintained high standards, making him an exemplary recipient of the James Dyson Foundation Excellence Award for Outstanding D&T Teacher.



The Nook Pods Excellence Award for Inspirational Support Staff within D&T



Vicki Wilkinson

Kingswode Hoe School, Essex



Vicki Wilkinson, a dedicated support staff member at Kingswode Hoe School in Essex, stands out for her transformative impact on the Design and Technology department and its students.

Joining the school in November 2020 with limited knowledge of the D&T curriculum and no experience in KS3 and KS4, Vicki embraced her role.

Despite challenging circumstances, including remote learning, she quickly adapted, making substantial contributions to both curriculum development and student engagement.

At a school catering for pupils with moderate learning difficulties, Vicki seamlessly integrated creative subjects into their learning. She led the way in helping students ease back into school after lockdown-related trauma.

Vicki's role in increasing hands-on experiences in the design and technology workshop and cooking rooms played a significant role in supporting students' well-being and employability.

Vicki's impact extended beyond curriculum implementation. She demonstrated a humanistic approach to teaching, fostering inclusivity and integration.

She accommodated students' unique needs, such as introducing incremental changes for a student with sensory difficulties. Vicki also played an essential role in equipping students with vital life skills, boosting their employability prospects.

Her initiative in introducing barista training and running practical clubs, like the popular 'Friday Wok Club,' earned her praise from both students and inspectors. Vicki's dedication has created an environment where students look forward to learning, gain independence, and enhance their personal development.

Staff respect Vicki, and she is recognised as being a fair and compassionate colleague as well as a champion of the children. She has never once hesitated to take on any role or job and has proved time and time again that she is dependable and trustworthy.

The Institution of Engineering and Technology Excellence Award for Outstanding Contribution to D&T

(Awarded by the D&T Association Board of Trustees)



Professor Kay Stables

Goldsmiths, University of London



Professor Kay Stables has made outstanding contributions to research in D&T education.

Kay's work resonates in pioneering research on design education pedagogy and assessment, exemplified by her co-authored chapter on design-based learning. Her research insights have had a transformative impact on the field.

As the editor of "Design and Technology Education: An International Journal," Kay has consistently ensured its accessibility and relevance.

Kay's involvement in national and international D&T education conferences has enriched the discourse, as showcased by her impactful keynotes and contributions to events such as D&T TeachMeets.

Kay's mentoring of D&T colleagues demonstrates her dedication to nurturing the research community.

Her guidance and critical insights have been transformative for numerous researchers.

Her work, like the research on signature pedagogies for designing, has influenced practitioners, shaping how design work is assessed in key stages across England and internationally.

Colleagues and mentees comment on Kay's influence on their growth and her strong support and guidance in ensuring they understand best practice in D&T education.

Professor Kay Stables' consistent, impactful contributions resonate across the D&T landscape, making her an outstanding recipient of the Award for Outstanding Contribution to D&T Education.

Her continued pursuit of excellence, dedication to fostering research collaboration, and transformative mentorship exemplify the essence of this accolade.

The Institution of Engineering and Technology Excellence Award for Outstanding Contribution to D&T

(Awarded by the D&T Association Board of Trustees)



Les Porter

D&T Consultant
and Associate
Lecturer in D&T
Education



Les Porter has significantly impacted Design and Technology education with a career spanning decades. Les started as a CDT teacher and eventually became the course director for the BA in Industrial Design and Technology at Brunel University.

Having progressed from the RAF to Senior Lecturer in Design at Brunel University, Les was working in the academic realms of the discipline whilst the subject of Design and Technology developed in schools.

Les's unwavering support for educators is evident through his role as a mentor, lecturer, and examiner.

He has inspired thousands of D&T teachers and students. Les has never treated supporting students as a 'job' and his infectious personality, relentless positivity, great humour and outstanding knowledge are what all these trainees appreciate and remember about Les.

He also played a pivotal role in curriculum development and authored materials for programs like BBC micro:bit.

His expertise, jovial demeanour, and hands-on approach to problem-solving have enriched the careers of emerging D&T teachers.

His guidance, especially in the North of England and beyond, has elevated and improved the subject.

Les' expertise includes high level electronics, systems, engineering, workshop practice, health and safety and design process as well as teaching and learning pedagogy, department management and curriculum development.

His lifelong dedication to advancing D&T education, invaluable mentorship, and role as a source of technical knowledge exemplify his exceptional contributions.

This recognition is a testament to his commitment to shaping the future of D&T.

The Co2 Laser Repair Services Excellence Award for Outstanding Industry Engagement (Teacher)



Michael Williams

Whitchurch
High School,
Cardiff



Michael, a dedicated educator at Whitchurch High School in Cardiff, has woven industry engagement into his teaching practices, exemplified by his collaboration with luxury car manufacturer Aston Martin over the past 7 years.

This dynamic partnership began with Aston Martin's involvement in an event named 'The Diva Derby,' which aimed to encourage girls' participation in STEM subjects. Students who have participated in Michael's events have followed up with studying GCSE and A-Level product design as well as applying for apprenticeships with Aston Martin at their new facility in St Athan, Wales.

Michael's vision brought together year 9 students to design and race radio-controlled cardboard cars, an endeavour that not only kindled their interest in engineering but also provided a firsthand encounter with industry professionals.

Aston Martin's engagement extended beyond the event as they hosted winners of 'The Diva Derby' for an exclusive tour of their Gaydon headquarters, unveiling the journey from concept to finished product.

Michael's influence went beyond the school premises as he assisted Aston Martin in developing their own version of 'The Diva Derby' for apprentices.

This partnership reached new heights as Michael, Aston Martin, and racing driver Jessica Hawkins joined forces for a promotional tour of 'Driving Force,' a television program celebrating women in traditionally male roles.

This collaboration not only showcased student talent but also garnered media coverage which includes the BBC and ITV News.

Through his relentless commitment to bridging the gap between education and industry, Michael has empowered students, enriched the engineering sector, and solidified a mutually beneficial relationship with Aston Martin that serves as a testament to the potential of such collaborations.

The Leo Lion Ltd Excellence Award for Outstanding Industry Engagement (Industry Partner)



Debbie Inman

Talent Partner,
Bulletproof



Debbie Inman is passionate about design and bridging the gap between education and industry.

As the Talent Partner at Bulletproof, she has remained committed to fostering a relationship between the creative industry and education.

As a member of Blueprint 1000® and a advocate of The Design and Technology Association's Teachers in Residence scheme, Debbie orchestrates week-long immersion programs at Bulletproof each year.

Through the initiative, educators gain firsthand experience into modern industry practices, unravelling career pathways for students and showcasing the skills required in industry.

Debbie's enthusiasm and love for her job helps shape a vibrant atmosphere that drives Bulletproof's creative work for illustrious brands like Cadbury, Tim Horton, and Villa Ascenti.

Debbie has an approachable nature and sets the tone for a harmonious work environment with her welcoming attitude.

Debbie's authenticity and sincere interest in people's aspirations resonates, making her not just a recruiter but an inspiring mentor.

Through the Teachers in Residence programme, she has facilitated dialogues between numerous educators and over thirty Bulletproof staff, generating invaluable insights.

This partnership went beyond these placements, as student visits and career discussions with Bulletproof were orchestrated, inspiring students in new directions.

Debbie's dedication, strategic insights, and genuine engagement make her a transformative bridge builder between industry and education.

The HPC Laser Ltd Excellence Award for Outstanding Departmental Team



Highgate School D&T Department

North London



Highgate School, Design Technology Department, in North London, delivers educational excellence, enriching students' journeys from ages 3 to 18.

Their students progress on to have exciting and rewarding careers in organisations such as Rolls Royce and Dyson, in a range of disciplines.

With a remarkable dedication to ambitious topics and pedagogical innovation, the department stands as a beacon of inspiration.

Their dynamic approach utilises social media to disseminate ideas and foster global connections among students and educators since 2011.

Highgate's dedication and commitment to partnership work has touched hundreds of students and teachers, impacting diverse communities, from those with special needs to the gifted and talented.

The department maintains focus on education and inspiring students to be able to take on today's and tomorrow's world.

A cohesive team of seven teachers, three technicians and TA's nurture talents and guide students towards successful careers in design and engineering.

Their hard work has resulted in a range of various awards such as Vex worlds, TDI, Triumph, Greenpower, D&TA, IET Faraday and many more.

The department exemplifies sustainability by recycling materials and ingeniously transforming waste plastics into functional products for charity.

The department continues to weave its legacy into all aspects of their practice which is one of collective effort culminating in inspirational education, built on teamwork.

The Leo Lion Ltd Excellence Award for the Bernard Brown Outstanding Pupil: Age 5-11



Freddie Sweetman

Arnold Lodge,
Warwickshire



Freddie has been a pupil with a passion for D&T from the age of five. This began at home whilst helping to build IKEA furniture which evolved into helping to construct a summer house in his garden at aged six. He saw this as giant Lego and his love for D&T was born.

Whilst at primary school Freddie was a member of the pilot robot team as part of the VEX Robotics Competition.

He showed commitment and resilience which enabled the robotics programme at his school to have a successful launch.

Having taught himself Snap CAD in order to design the robot, his team came in second place in the Skills Competition at the UK National Championships. This led to qualification for the World Championships in the USA.

He became an advocate for technology education. He was interviewed for BBC Radio at the age of eight and featured in several VEX marketing episodes on social media.

Through the pandemic, Freddie's determination surged. Winning the VEX VR competition with his programming skills, he consistently displayed innovative thinking.

Joining Arnold Lodge's VEX Robotics program, he mentored newcomers, skilfully leading his rookie team to the World Championships and clinching the Excellent Award (the most prestigious in the competition) and 10th place in their division.

Freddie's journey continues through the Aspire Programme, embracing academic and extracurricular challenges while raising funds for mental health awareness. He has attended talks from F1 design engineers, elite athletes and university lecturers as part of this provision in addition to completing his STEM project work.

Freddie's pursuit of innovation, leadership, and STEM excellence is a testament to his dedication and potential. His school proudly recommends him as a beacon of inspiration.

The Royal Academy of Engineering Excellence Award for Outstanding Pupil: Age 12-16



Avey Couloute

Girls into
Coding



Avey is a 15-year-old student, design and technology advocate, mentor, workshop leader, and the founder of Girls Into Coding. She has a diverse skill set that spans advanced CAD/CAM, soldering, rapid prototyping, robot design and coding.

At the age of 10 she recognised the gender imbalance in STEM education and sought to empower young girls through technology.

Avey's brainchild, Girls Into Coding (GIC), is a pioneering initiative that offers free workshops for girls aged 10-14, providing hands-on experience in coding, physical computing, robotics, and engineering. Avey's workshops and talks, including leading a boot camp for Girls Into Coding, inspire young minds to explore technology's potential.

Her vision extends beyond teaching technical skills; Avey aims to instil confidence and enthusiasm among young girls, bridging the gender gap in technology.

Avey's journey includes being crowned Big Bang UK Young Engineer of the Year 2022, a finalist in Fast Company's 2023 World Changing Ideas Awards, and recognition in Forbes 30 Under 30 for Social Impact.

Her Air Quality Pavilion, a sophisticated project that monitors and improves indoor air quality, showcases her expertise in design, coding, and engineering.

Avey Couloute's impact transcends her age. Her advocacy, workshops, and projects reflect her commitment to reshaping the tech landscape for inclusivity.

She remains motivated to help shape the environment for other girls and young people to also feel empowered to do the same. She advocates for diversity in the D&T sector and believes you are never too young for your ideas to have value.

The WJEC CBAC Excellence Award for Outstanding Pupil: Age 16-18



Jack Daly

High Degree
Apprentice,
Jaguar Land Rover



Jack Daly has studied D&T in four different countries and committed significant amounts of time practising the subject at home, immersing himself in the world of creativity.

An adept designer and visionary, he has harnessed his skills since the age of eight generating revenue from his innovative ventures.

His accomplishments include the launch of pioneering products such as the 'Microcade,' the world's tiniest arcade machine, designed to be an "Airfix style" snap-off electronics kit for STEM students to build.

He designed everything from the circuit to the packaging, website, programming tutorials, and logo.

Currently Jack is a High Degree Apprentice, Electronics Design Engineer at Jaguar Land Rover. He works on a number of highly secret but very exciting projects which supports the design and development of the company's race towards the all-electric car.

He's also designed the "8BitCADE XL," a DIY educational gaming kit. He went on to develop the product further in a number of worldwide markets including Japan.

Jack also designed and manufactured an arcade machine for Starbucks in Qatar. The casing was made from recycled coffee waste and has been trialled and tested in Qatar for customer feedback.

Jack's has been awarded the highest in the world for design and technology in his A-levels and crowned the design and technology student of the year for multiple consecutive years at Doha College.

Jack Daly embodies the spirit of collaboration. His curiosity, work ethic, and talent shine brightly and he is an inspiration for the next generation of designers and creators.

The Engineering and Technology Education Research Center Excellence Award for International Development and Support of Design and Technology

The Education Bureau of Jiading District

Shanghai, China



Over the course of several years, the Education Bureau of Jiading District has demonstrated their commitment to educational excellence by introducing and successfully implementing the comprehensive curriculum, teacher training initiatives, and assessment programs by the Design and Technology Association.

This undertaking has supported countless local primary and secondary schools within the region.

The resounding impact of design, technology, and engineering education in Jiading District's educational institutions has been nothing short of transformative.

This dynamic curriculum has captivated the minds of students and educators, setting in motion a wave of educational innovation.

This educational shift has not only invigorated the academic landscape but has also left an indelible mark on schools and educators throughout Shanghai.

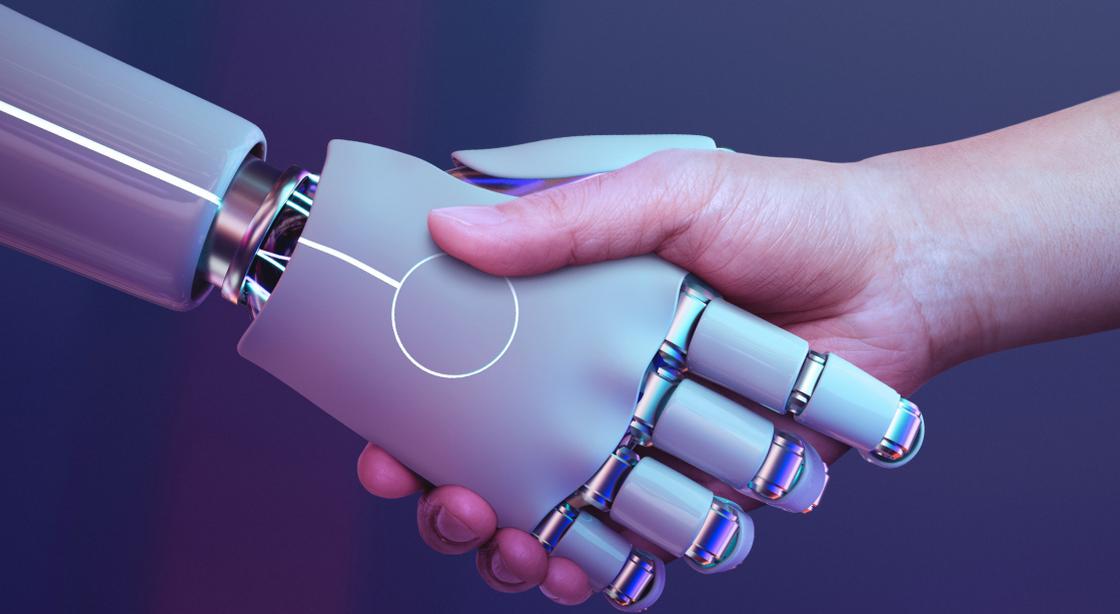
The ripple effect has been profound, with a surge in both interest and accomplishments among primary and secondary school students in the realm of design and technology activities.

The visionary approach to education has effectively ignited a passion for learning and exploration among young minds, fostering a generation of innovative thinkers and problem solvers.

In recognition of these outstanding achievements and their far-reaching implications, the International Development and Support of Design and Technology Award has been given to the Education Bureau of Jiading District.

This award highlights the bureau's dedication to educational excellence and their pivotal role in shaping the educational landscape.

Thank you for joining us!



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