



GIVING TO NUSHS

GIVING FORWARD

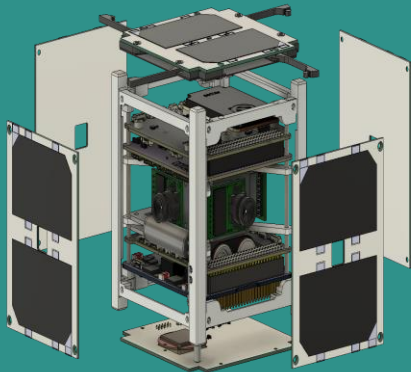
Join us in our commitment to nurture holistic students who **think differently**, blending agility, empathy, and leadership with deep interdisciplinary knowledge. By empowering students to explore their potential, innovate sustainably, and connect diverse fields, we cultivate **visionary thinkers ready to transform the future.**



LEAD THE BREAKTHROUGH

Support Multi-year Student Projects with Cutting Edge Technology.

NUS High is committed to shaping the STEM leaders of tomorrow by fostering an environment that encourages excellence, innovation, and leadership. Our students are empowered to develop novel and sustainable solutions, driving advancements that positively impact society and the environment..



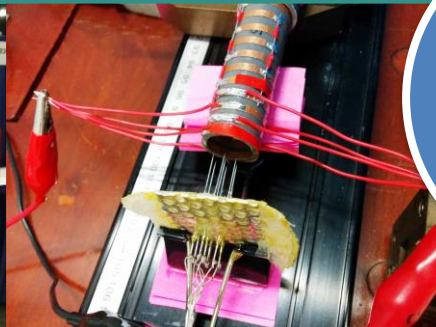
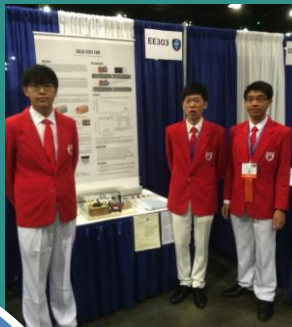
1st High school in the region to launch a nanosatellite

Google Science Fair: Singapore's 1st Google Technologist Award



Software for Self generating Revision Questions

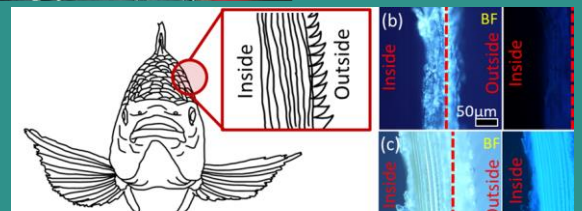
Design of a Solid State Fan



2 provisional patents filed

12 Grand Awards at International Science and Engineering Fair

Use of Unwanted Fish Scales that can biofluoresce



CATALYSE THE GROWTH OF EMPATHETIC CHANGEMAKERS

Extend rare learning opportunities with our partners around the world for real-world solutioning to students including those from less advantaged backgrounds

NUS High is dedicated to cultivating self-directed learners and empathetic individuals equipped with the foresight and problem-solving abilities necessary to address the challenges of tomorrow.



~ 30
community
partners
impacted
by projects

Overseas
Techno-
preneurship
Programmes



195
Internship
placements
in 2023
across 19
industries

EMBRACE THE FUTURE – NURTURE PATHFINDERS OF TOMORROW

Join us at the forefront of math and science education in our efforts to reach out to the math and science talent in our community

NUS High is dedicated to partnering with schools and organizations to identify and nurture young STEM talents, providing opportunities to grow their potential.



Engaging >
300 math and
science talents
around
Singapore
each year

Partnerships
with > 80
schools and
organisations



Conducting
Professional
Development
Workshops
for STEM
Educators



OUR COMMUNITY OF TRAILBLAZERS

Charles Wong (Class of 2012)
CEO and Co-Founder of BiFrost



BiFrost: 2022 Forbes Asia 100 to Watch list (Enterprise Technology category)


“A strong foundational education in mathematics and science taught me to heavily employ rational thinking, the scientific method, and first principles in the work I do today.”

Forbes

BiFrost

Singapore
Category: **Enterprise Technology**
Year founded: **2019** • CEO: **Charles Wong**
Key backers: **Cap Vista, Champion Hill Ventures, Hustle Fund, Lux Capital, Sequoia India, Wavemaker Partners**

BiFrost is addressing the biggest hindrance to developing AI: collecting and annotating vast amounts of data. Instead of manually collecting data, the startup builds virtual worlds to create synthetic datasets that train AI models for applications in areas such as gaming, the metaverse, mobility, robotics, space and defense.



From left: BiFrost cofounders Aravind Kandiah and Charles Wong. COURTESY OF BIFROST

OUR COMMUNITY OF TRAILBLAZERS

COO and Co-Founder of Fabrica AI



“NUS has the ability to cater to various students needs, strengths, and interests... I believe a fine balance of initiative to create and enable new things to happen always, coupled with the discipline and persistence to see it through and execute well, are important for success.”



A tile grouting robot by Singapore start-up Fabrica AI was also showcased at the event.

The robot automatically applies grouting and cleans tile gaps at the press of a button, and can cover more than 90 per cent of unobstructed floor space.

It takes about 20 minutes to 25 minutes to cover a four-room flat, compared with two hours to five hours if done manually by a worker, said chief operating officer Keeffe Wayne Teo.

The robot costs \$90,000, including warranty, site support and maintenance.

Construction firms have been receptive to the tech as it is fairly simple for workers to use, Mr Teo said, adding that it is being used in condo and HDB projects.



A robot by Singapore start-up Fabrica AI can apply grouting and clean tile gaps, and cover more than 90 per cent of unobstructed floor space. ST PHOTO: LEE YU HUI

Robotics
Development

Featured in Straits
Times, Sept'24

OUR COMMUNITY OF TRAILBLAZERS

Duke-NUS Liberal Arts (Anthropology) and
Medicine Pathway programme
Youth Fellow under MOH Office for
Healthcare Transformation



Madumitha
Ayyan
UNLEASH Global
Talent '22

“Attending NUS High School was an experience that **solidified my love for the sciences** and bolstered my confidence in pursuing cutting-edge research. But what truly shaped me were the teachers and mentors who instilled in me the **values of using my scientific knowledge for the betterment of society**, leaving me forever grateful for their guidance and inspiration.

LUMINARIES OF THE FUTURE



Being in NUS High gave me endless opportunities to dabble in various theoretical and hands on scientific endeavours.

Everyone, the teachers and students alike were curious about anything and everything.

This natural curiosity, and a research focused environment is what drove many of us to pursue scientific endeavours, or any that requires critical thinking and problem solving.

Ragavi Vijayakumar

Research Officer
at the Agency for
Science,
Technology and
Research,
graduated from
Cambridge

Student's genetic disease project a winner



NUS High School student Vijayakumar Ragavi with Professor Ariele Warshel, the 2013 Nobel laureate in chemistry and chief judge of this year's A*Star Talent Search. PHOTO: SCIENCE CENTRE SINGAPORE

PARTNER AN AGILE AND ADAPTABLE COMMUNITY

Support our vibrant ecosystem – Experiment, Explore and Excel with us.

NUS High's highly customized curriculum cultivates a passion for deep learning and technical expertise, encouraging students to find joy in their academic pursuits. By fostering interdisciplinary integration, we empower our students to leverage their profound knowledge across multiple fields, creating versatile thinkers capable of connecting diverse domains.



> 1000 combinations offer pathways to pursue passion

~50% of our students take university modules while in high school

