LAUNCHING THE NEW

SCIENCE INNOVATION CENTRE

2019
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“The time is long overdue to encourage more women to dream the possible dream.”
Sheryl Sandberg, COO, Facebook
Penrhos College is committed to providing an outstanding education for girls that honours our traditions and values in a climate of change. Our students today think and operate differently, their generation is at home in a fast-paced and constantly shifting environment that is largely shaped by technological advancement.

It is our responsibility to prepare our students for the workplace of the future; to encourage and support the development of strong individual character; to nurture the mind, heart, body and spirit of each girl to ensure good balance, perspective and moral code, along with the determination, resilience and transferable life skills that will ensure her success.

Penrhos College girls are fortunate to have access to excellent resources; our inspirational staff and range of academic, pastoral and co-curricular programs are designed to support each girl as she strives for the highest and seeks to achieve her personal best.

The open, honest and positive relations we cultivate with the family of each girl are critical to the Penrhos community and evidence of your generosity can be found in every corner of our College and our campus. If you are reading this, then you have shown an interest in helping to support our campaign to raise funds towards the redevelopment of our Science Innovation Centre – and I thank you.

Meg Melville
Meg Melville, Principal
The Penrhos College Foundation partners with the Development Office in fundraising for the College, to ensure Penrhos remains proudly positioned at the forefront of girls’ education in WA in terms of both our excellent reputation and our outstanding facilities.

Many stakeholders – even those who are most closely involved, such as parents and alumni – aren’t aware that School fees don’t cover the capital development costs of a College like Penrhos. This means we are dependent upon and grateful to our benevolent community for their generous ongoing support by way of annual giving, donations and bequests, all of which go towards enhancing the exceptional learning environment we offer to current and future students.

Our biggest fundraising venture to this point is the capital campaign for the Science Innovation Centre, which presents a fantastic opportunity to celebrate the College’s recognised success in STEM to date and to consolidate our forward commitment to the future STEM agenda.

You can give to this project in many ways – from taking a plaque on our Periodic Table Donor Wall (entry level $2,500) to naming a lab or even the building (for its lifetime). The build is not dependent on external funds and will commence in December 2019 with the support of carefully negotiated loans and $2 million from the Penrhos College Foundation.

Please read on to find out more.
INSPIRATIONAL WOMEN
CELEBRATING SUCCESS IN OUR STEM ALUMNI

Andrea Ang (1996)
Ophthalmologist and Corneal Specialist
Royal Perth Hospital and
Lions Eye Institute

Niecha Bradshaw (1997)
Marine Biologist
Department of Biodiversity,
Conservation and Attractions for Parks
and Wildlife Service

Lucy Commander (1998)
Specialist in the protection of
Australian native plants
Translocation at Australian Network for
Plant Conservation (ANPC) Inc.

Raelene Endersby (1994)
Co-Head Brain Tumour Research
Telethon Kids Cancer Centre,
Brainchild Fellowship

Linda Lim (1991)
Vice President Group Financial Control
Woodside

Yvette Munas (1997)
Explosives Expert, Engineer and
Corporate Affairs Manager
Woodside

Jessika McGowan (1994)
Architect
Hames Sharley

Brioni Moore (1999)
Medical Researcher
Senior Research Fellow, School
of Pharmacy, Curtin University
Adjunct Research Fellow,
Medical School, UWA

Claire Nagus (1995)
Resources and
Technology Specialist
VGW (Gaming)

Anita Reed (1993)
Medical Physicist
Senior Medical Physicist
at Royal Perth Hospital

To learn more about our inspiring alumni,
visit penrhos.wa.edu.au/alumni-profiles
Our outstanding new facilities will inspire our girls to pursue their personal bests in an open and collaborative learning environment, which equips our students with the essential skills and knowledge they need to be ready for a lifetime of enquiry and understanding.

The Penrhos learning philosophy is designed to ensure students thrive in an ever-changing and ever-more challenging world. To remain at the forefront of girls’ education, we need leading-edge programs, outstanding staff and first-class resources. Central to our vision for the future are our plans for the new Science Innovation Centre.

Leading edge laboratories and flexible learning spaces will promote spontaneous collaboration and innovation across scientific disciplines, encouraging every student to delve deeper and step outside of their comfort zones in pursuit of knowledge and discovery. The centre will celebrate the value of scientific thinking and exploration, ensuring our students are inspired, nurtured and supported in their personal voyages of scientific exploration.
It is estimated that in the next decade 75% of jobs in the fastest-growing industries will require skills in STEM, yet enrolment in STEM subjects continues to follow a trend of steady decline in Australia. This presents a skills shortage challenge for which government and industry are keen to prepare in terms of workforce planning.

While both males and females undoubtedly benefit from STEM knowledge and skills, including problem-solving and learning the ability to adapt, females are significantly under-represented in STEM studies and careers across the globe. Just one in four IT graduates and fewer than one in 10 engineering graduates are female. Women occupy around just one quarter of roles in the STEM workforce in Australia overall.

Penrhos College is committed to continued investment in STEM support and success. We will continue to implement our masterplan with the creation of a new Science Innovation Centre as a beacon in STEM education for girls in WA and beyond.
Scientific advancement changes our knowledge of the world in which we live and enables us to improve the lives of individuals, communities and nations. A scientific education informs our thinking and becomes an intrinsic part of our individual analysis and decision-making processes.

A STEM-literate person is able to think for themselves. They ask critical questions. They can form hypotheses and seek the necessary data to draw their own evidence-based conclusions. They appreciate the beauty and complexity of nature and derive pleasure from the challenge of uncovering, challenging and establishing understanding. They view the modern world through a lens that is enhanced by their STEM-related skills and apply their knowledge to improve it.

The study of STEM subjects is increasingly significant and relevant, and extends far beyond the typical applications and traditional careers that might immediately spring to mind. STEM skills are a growing influence in ethical, political and environmental decision-making, they are the lifeblood of emerging knowledge-based industries — such as biotechnology, informational communications technology and advanced manufacturing — and they can lend real competitive advantage in established industries such as agriculture, resources and healthcare.
To secure Australia’s future economy, the nurture of STEM-based education in young women is vital. The world’s economic development will be increasingly focused on the STEM sector in the coming decades, and students who graduate with STEM-related skills and expertise will be at the cutting edge. Embracing a strong commitment to STEM programs at Penrhos College will help position our girls to take advantage of important career opportunities in this historically male-dominated environment and make an important contribution to our future workforce.

SOURCES
Office of Chief Scientist, Report: Australia’s STEM Workforce, 2014
PwC – A Smart Move, 2015
INTRODUCING THE SCIENCE INNOVATION CENTRE
Our Science Innovation Centre will be a living and learning incubator, where curiosity and creativity combine and ignite to spark innovation, exploration and discovery.

The Science Innovation Centre will promote creative, collaborative and engaging learning, with all the traits of a real-life working environment.

Whilst current facilities have provided our students with rich experience, we find ourselves in fast-moving times in which education is constantly evolving, emerging and expanding. No longer is the scientific curriculum defined by learning facts and figures. Today, classrooms are places of passionate debate and endeavour, challenging convention, establishing knowledge and achieving personal insight and discovery beyond the realms of traditional comfort zones.

Our new Science Innovation Centre will be a bright, light, inspirational and welcoming environment that will naturally engage students in the transformation of spaces to suit the needs of learning experience across:

- Collaborative learning spaces
- Leading edge multi-use labs
- Outdoor lab
- Amphitheatres-style group presentation spaces spanning two levels
- Large open learning commons with multi-screen and lecture facilities
- Outside rooftop science learning courtyard and lab

Our stunning new facilities will encourage students to become a living part of the learning process, to be inspired by a highly transparent and compelling environment designed to spark the interest of expert educators and corporate parties across an array of fields, and where leading edge facilitators and innovators-in-residence will model their practice for intrigued and fascinated students.

Build will commence in December 2019 and we hope to be open for Term 1, 2021. Students will primarily be relocated to the newly-refurbished Anglesey Centre and our state-of-the-art CADC throughout the build period.
The Science Innovation Centre is the next stage of our College Masterplan, through which the following have been built, extended or refurbished in recent years:

- Early Learning Centre
- Colwyn Centre
- Creative Arts and Design Centre
- Library
- Rixon Theatre

These excellent facilities complement our outstanding sports centre (the Fandry Centre for Sporting Excellence).
LAUNCHING THE NEW SCIENCE INNOVATION CENTRE

EAST ELEVATION
PLANS FOR THE BUILD

LEVEL 1: LOWER GROUND FLOOR

LEVEL 2: UPPER GROUND FLOOR
"When we manipulate materials and tools in three dimensions, it changes the way our brain works and it makes us more capable of dealing with complex multidimensional problems."

Liesl Folks (1984) — Dean, School of Engineering and Applied Sciences, Buffalo University
The upcoming Science Innovation Centre is the College’s first major capital campaign, following the Creative Arts and Design Centre in 2016 and the major refurbishment of the Rixon Theatre in 2014. It is anticipated that the Science Innovation Centre project will be one of the most significant in our College history and we wish to recognise and acknowledge it accordingly.

We seek to partner with our community and raise upwards of $500,000 in philanthropic support to enable us to build and equip this landmark testament to STEM education for our students, our community and future generations.

The project will initiate and forge an exciting partnership of College, Foundation, students, parents, alumni, staff and friends in our shared commitment to support the advancement of STEM for girls and to position Penrhos firmly at the cutting edge of scientific innovation in education.

Making a gift to the Science Innovation Centre Capital Campaign is an opportunity for our stakeholders to help influence, shape and celebrate our inspirational learning environment and to promote Penrhos as a leading light in STEM education for girls in Western Australia.
Donor opportunities:

Your donation to the Science Innovation Centre will create a lasting personal legacy for current and future Penrhos College students.

All gifts will be recognised and publicly acknowledged in accordance with our Donor Recognition Plan, unless the donor requests anonymity. There are also opportunities to use a naming opportunity to honour a family member or friend.

Donations may be made as a gift of any amount, or through a gift that is pledged over two to five years (in the latter case, a minimum gift of $5,000 per year applies). All gifts are fully tax deductible and for the lifetime of the building.
CONTACT
For more information on how you can support this exciting project, please contact:

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Or visit the Penrhos College Giving Page at penrhos.wa.edu.au/giving