

Jointly organised by



BUILDING A RESILIENT OUTDOOR ADVENTURE EDUCATION SECTOR TOGETHER

INAUGURAL NATIONAL OUTDOOR
EDUCATION CONFERENCE

22-23 SEP 2022

Guest of Honour

Mr Edwin Tong

*Minister for Culture,
Community and Youth
& Second Minister for Law*



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INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

INTRODUCTION

The last two years have been a tumultuous period for all of us. The pandemic had put a long pause on all outdoor activities. The way we work, live and play has been inexorably changed. Many of us have been affected while others have also risen to the challenge, seizing on newfound opportunities for innovation and growth. As a sector, while Singapore carefully resumes outdoor programmes and social interaction, we stand at the edge between uncertainty and possibility.

This is the reason for this inaugural National Outdoor Education Conference – a special coming together of partners with the shared purpose of “Building a Resilient Outdoor Adventure Education Sector Together”. This 2022 Conference will facilitate conversations on policy, pedagogy, curriculum, concepts, and approaches of Outdoor Education (OE) in the attempt to address some of the pressing issues facing Singapore’s OE sector and our society in the unfolding future:

- **Developing as a Sector:** What is your vision of a thriving OE sector for practitioners, providers, operators, academia, agencies, and users? Where are the areas of need? What are the pathways of growth and improvement?
- **Improving Sector Standards:** Can we raise our level of quality and safety? What standards, research, governing bodies or recognised best practices should we align our practice to?
- **Practicing Sustainability:** How do we enable efficient use of resources in OE programming? What novel and innovative ideas are there to help promote environmental and sustainability education?
- **Managing Risks, Incidents & Legal Issues:** What improvements are needed to manage risk better at both practitioner and organisational levels? How can we better tap on systems and data to better manage risk and incidents?
- **Innovating Programmes, Meeting New Needs:** What new and responsive programming are needed to meet the needs of Singapore? What are these emerging educational objectives, clients or participant populations?

This a one and half days Conference, through a series of plenary sessions and concurrent workshops, will offer attendees countless moments to elevate your thinking, push boundaries and consider new approaches to the way you work in your communities.

Come join us! You are invited to give your views on how the OE sector in Singapore can grow into an exciting and thriving one for all. We look forward to connecting with you during the conference.

Thank you!

Joint Conference Committee

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

PROGRAMME

PROGRAMME: DAY 1, THURSDAY – 22 September 2022

Time	Activity
07:45 to 09:00	Registration at The Republic Culture Centre, Republic Polytechnic Breakfast – Let us work towards reducing waste in this conference. Please bring your own utensils, containers, and mugs/cups Participants to be seated by 9:00am
09:30 to 10:00	Opening Address by Guest of Honour: Mr Edwin Tong Minister of Culture, Community and Youth & Second Minister for Law Presentation of OAE Council Appointment Letters
10:00 to 10:30	Tea Reception – Let us work towards reducing waste in this conference. Please bring your own utensils, containers, and mugs/cups Participants to be seated by 10:45am
10:45 to 11:15	Framing the Conference: Mr David Chua Chief Executive Officer National Youth Council
11:15 to 12:15	Plenary 1: TRANSFORMATION OF THE EARLY CHILDHOOD CARE & EDUCATION SECTOR – CHALLENGES AND STRATEGIES Ms Cynthia Leow Director Corporate Development & Services Early Childhood Development Agency
12:15 to 13:00	Lunch – Let's work towards reducing waste in this conference. Please bring your own utensils, containers, and mugs/cups
13:00 to 14:00	1st Concurrent Workshops
14:00 to 17:30	World Café: A CALL TO VISION “CO-CREATING A THRIVING OUTDOOR ADVENTURE EDUCATION (OAE) SECTOR IN SINGAPORE” Location: Agora Hall Mr Lye Yen Kai Managing Director Pivotal Learning
17:30	End of Day 1

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PROGRAMME: DAY 2, FRIDAY – 23 September 2022

Time	Activity
07:45 to 09:00	Registration at The Republic Culture Centre, Republic Polytechnic Breakfast – Let us work towards reducing waste in this conference. Please bring your own utensils, containers, and mugs/cups Participants to be seated by 9:00am
09:00 to 10:00	Plenary 2: HOW THE OE SECTOR CAN AND MUST EMBRACE SINGAPORE GREEN PLAN 2030 (SGP2030) Mr N Sivasothi Senior Lecturer Department of Biological Sciences National University of Singapore Ms Anbarasi Boopal Co-CEO Animal Concerns Research & Education Society (ACRES)
10:00 to 11:00	2nd Concurrent Workshops
11:00 to 12:00	3rd Concurrent Workshops
12:30 to 13:15	Closing Panel: A CALL TO ACTION “BUILDING A RESILIENT OAE SECTOR TOGETHER – WHAT CAN I DO?” Moderator: Mr Edvan Loh Director Learning and Sector Development Outward Bound Singapore Panellist: • Dr Tan Lai Yong – Associate Professor of College of Alice & Peter Tan, NUS • Mr Nicholas Conceicao – Executive Director of OBS, NYC • Mr Krishnan Aravinthan – Director of Physical Sports & Outdoor Education, MOE • Mr Delane Lim – Honary Secretary-General, OLAE • Mr Ronald Wee – Independent Outdoor Educator
13:15 to 14:00	Lunch – Let us work towards reducing waste in this conference. Please bring your own utensils, containers, and mugs/cups
14:00	End of Day 2

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

WORKSHOPS

DAY 1 WORKSHOPS SUMMARY

1st Concurrent – 22 Sep 2022 / 1300 to 1400hrs

WK SHP #	Name / Organisation	Title	Workshop Location	Registration Link
1.	Ms Choo Chew Yien / Mr Gene Kam Republic Polytechnic	Experiential Learning as a Formal Instructional Strategy in Republic Polytechnic	TRCC Dance 1	https://go.gov.sg/noeworkshop1
2.	Mr Ang Kok Wee Alex / Mr Timothy Chong Northbrooks Secondary School	Building Positivity and Inculcating Values Through Adventure: A Singapore School's Perspective	RPC Mtg 1H	https://go.gov.sg/noeworkshop2
3.	Mr See Decai, Adrian Pivotal Learning	Pivotal Learning's Approach to CRC Training and Assessments	TRCC Rm 3A	https://go.gov.sg/noeworkshop3
4.	Ms Anbarasi Boopal / Ms Jocelyn Chng Animal Concerns Research and Education Society (ACRES)	Wildlife Etiquette in our City in Nature	TRCC Create Space	https://go.gov.sg/noeworkshop4
5.	Ms Heather Brooks / Mr Jason Ong Association for Challenge Course Technology (ACCT)	ACCT Accredited Operation Program	TRCC Rm 1C	https://go.gov.sg/noeworkshop5
6.	Mr Raymond Lee Yeow Khim Outward Bound Singapore	Safety Governance and Risk Management Architecture	TRCC Dance 2	https://go.gov.sg/noeworkshop6
7.	Ms Muzdalifah Anuar GEMS Singapore	Maximising the Benefits of OE for the Vulnerable, Marginalised and PWD Communities	TRCC Rm 3C	https://go.gov.sg/noeworkshop7
8.	Mr Lee Beng Huat Allan / Mr Selamat Jufri Republic Polytechnic	Writing Effective Standard Operating Procedures for Outdoor and Adventure Activities	TRCC Rm 3D	https://go.gov.sg/noeworkshop8
9.	Ms Vera Yang Mandai Wildlife Group	Inspiring Change Through Green Camps in Mandai	TRCC Rm 3B	https://go.gov.sg/noeworkshop9

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

DAY 2 WORKSHOPS SUMMARY

2nd Concurrent – 23 September 2022 / 1000 to 1100hrs

WK SHP #	Name / Organisation	Title	Workshop Location	Registration Link
10	Mr Mohideen Ally / Ms Mastura Rashid Khan The Special People	Fun in Nature Escapade: an experience of a LIFETIME	RPC Mtg 1H	https://go.gov.sg/noeworkshop10
11	Ms Tan Ai Chin Republic Polytechnic	Training for Readiness, Mastery or Certification? Relooking at workplace training for outdoor learning organisations in theory and in practice	TRCC Rm 1C	https://go.gov.sg/noeworkshop11
12	Ms Aslamiah Halim / Ms Lois Ser Republic Polytechnic	Leave no one behind	TRCC Create Space	https://go.gov.sg/noeworkshop12
13	Mr Alfred Casimir Nathan / Ms Denise Mabel Martens / Ms Pan Shijue St. Joseph's Institution	A Heutagogical approach in Outdoor Education and Adventure Learning - An experiment in teaching Outdoor Cooking	TRCC Rm 3A	https://go.gov.sg/noeworkshop13
14	Mr Jeffrey Chua Exponent Challenge Technology Asia Pte Ltd	kNOw Standards!	TRCC Rm 3B	https://go.gov.sg/noeworkshop14
15	Mr Martin Richard Foakes Tanglin Trust School	Decision Making for Outdoor Education Managers	TRCC Dance 2	https://go.gov.sg/noeworkshop15
16	Mr Lye Yen Kai Pivotal Learning	Is that Really Challenge by Choice?	TRCC Rm 3C	https://go.gov.sg/noeworkshop16
17	Mr Quek Zhisheng Darren Forest School Singapore	Creating your own Forest School	TRCC Rm 3D	https://go.gov.sg/noeworkshop17
18	Mr Yulius Chua / Mr Izar Hassan Exponent Challenge Technology Asia	The ABC's of an Adventure Course Inspection & Maintenance	TRCC Dance 1	https://go.gov.sg/noeworkshop18

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3rd Concurrent - 23 September 2022 / 1115 to 1215hrs

WK SHP #	Name / Organisation	Title	Workshop Location	Registration Link
19	Ms Samantha Lim / Mr Ry Choo Pivotal Youth	Enhanced Student Development Experience (SDE) & Learning through Distinctions in Facilitation	TRCC Dance 2	https://go.gov.sg/noeworkshop19
20	Mr Joel Ow Yong Choo Ee Maris Stella High School (Primary)	MSHS Outdoor Education through the SPARKs	RPC Mtg 1H	https://go.gov.sg/noeworkshop20
21	Mr Nur Abidin Suleman Outward Bound Singapore	Incident Investigation using the 5Ms	TRCC Rm 3A	https://go.gov.sg/noeworkshop21
22	Ms Tay Chiew Guat / Mr Khairuz Chua / Ms Teri Yap Outward Bound Singapore	Environment and Sustainability Education in Outward Bound Singapore	TRCC Rm 3B	https://go.gov.sg/noeworkshop22
23	Mr Lye Yen Kai Pivotal Learning	Risk-based Approach to Development of Standard Operating Procedures	TRCC Rm 3C	https://go.gov.sg/noeworkshop23
24	Ms Chew Wee Ling Singapore University of Social Sciences	Integrating Cultural and Global Competencies With Outdoor Learning	TRCC Create Space	https://go.gov.sg/noeworkshop24
25	Dr Marc Van Loo LooLa Adventure Group Pte Ltd / Safe Water Gardens Pte Ltd	The future of (overseas) OE is in sustainability – both educational institutions and the smart money say so!	TRCC Rm 3D	https://go.gov.sg/noeworkshop25
26	Mr Timothy Ng / Ms Grace Koh Outward Bound Singapore	Re-booting Outdoor Adventure Programmes for youths in COVID-19 world	TRCC Dance 1	https://go.gov.sg/noeworkshop26
36	Dr Abdul Kahlid Republic Polytechnic	In Conversation: What binds us together in the outdoor education sector?	TRCC Rm 1C	https://go.gov.sg/noeworkshop27

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

DAY 1 WORKSHOPS SYNOPSIS

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 1: Enhanced Student Development Experience (SDE) & Learning through Distinctions in Facilitation

Location: Republic Polytechnic - TRCC, Dance 1

Have you heard of 'Experiential Learning' before? Do you know that 'Experiential Learning' is one of the Instructional Strategies in RP? Ever wonder how you can apply 'Experiential Learning' as an Instructional Strategy in lessons?

If the answer is 'Yes' to any of the questions above, come join us in this sharing to learn how 'S001: Grow with G.R.I.T!' incorporates 'Experiential Learning' in classroom settings!

Ms Choo Chew Yien

Lecturer @ Republic Polytechnic

She is actively involved in research and curriculum development on GRIT. A firm believer in education beyond classroom, she has also been designing and implementing curriculum and programme in character building.

Some of her expertise include conducting youth outdoor programmes through experiential learning and developing Service Learning (SL) projects in places like Laos, Cambodia and China. She was also involved in training the students and teachers in SL Leadership programme.



Mr Gene Kam

Senior Lecturer @ Republic Polytechnic

Gene graduated with a B.A. in Professional Communication from RMIT University in Australia.

He began his professional outdoor education career 1998 at Outward Bound Singapore as an Instructor, moving to middle management a few years later, working with clients to develop customised outdoor adventure learning programmes.

In 2009, Gene co-founded Explora Pte Ltd, an adventure education company that offered experiential and adventure-based programmes primarily for the corporate market. During the pandemic years, Gene designed and delivered an online personal development programme addressing resilience and emotional intelligence for HMI Pte Ltd, a healthcare training provider offering a SG United Skills programme for students looking to join the healthcare industry. In 2022, Gene became a Senior Lecturer in Republic Polytechnic, joining the Diploma in Outdoor Adventure Learning (DOAL), in the polytechnic's School of Health and Leisure. He has over 24 years' of experience in designing, delivering and facilitating outdoor and adventure education programmes.



<https://go.gov.sg/noeworkshop1>

Register now: <https://go.gov.sg/noeworkshop1>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 2: Building Positivity and inculcating Values through Adventure: A Singapore School's Perspective

Location: Republic Polytechnic – Republic Polytechnic Centre (RPC), Classroom Mtg 1H

This is a sharing about a secondary school's attempt at impacting the community through adventure activities. Participants involved in program design would gain greater awareness of integration possibilities. Participants will also attempt a mini orienteering course as part of the workshop.

The workshop aims to share how the OE program is weaved into the school's mission of impacting the community through adventure activities. The target audience would be educators and industry practitioners, to see possibilities of collaboration and integration for the OE fraternity.

The workshop will also share how several theories of Student Leadership, Experiential Learning, Positive Education, and Interdisciplinary thinking are weaved into the planning and execution of the OE program. Through the workshop, we hope to help participants create awareness of their immediate communities which they can impact and how to leverage on their strengths to work towards them.

Mr Ang Kok Wee Alex

Head (Physical Education & Co-Curricular Activities)

Northbrooks Secondary School

A secondary school teacher who has crafted an Outdoor Education programme with elements of impacting the community. Presenter has attempted to infuse various strands such as Positive Education from overseas conferences and the National Outdoor Leadership School's Outdoor Educator Module.



Mr Timothy Chong

Subject Head (Student Leadership & Outdoor Education)

Northbrooks Secondary School

The subject head in Student Leadership & Outdoor Education who has experience in positive education efforts to build grit and resilience in students through student leadership programmes.

Register now: <https://go.gov.sg/noeworkshop2>



<https://go.gov.sg/noeworkshop2>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 3: Pivotal Learning's Approach to CRC Training and Assessments

Location: Republic Polytechnic - TRCC Classroom Rm 3A

At Pivotal Learning, we have our own unique way of doing training and conducting assessments especially on the Challenge Ropes Course (CRC). In this workshop we will be sharing some practices that have worked for us. Find out more about our 3D Instructional Model and how we determine if a learner is ready to operate independently. Listen to our considerations when conducting assessments and how we create a safe learning environment for all.

Mr See Decai, Adrian

Senior Manager (Training Development) @ Pivotal Learning

Adrian started off his outdoor career working with commercial camp vendors as a freelance instructor. He then joined Republic Polytechnic's (RP) Adventure Learning Centre where he managed the daily operations of the challenge course there. After a few years, he was accepted for a teaching position in the Diploma for Outdoor and Adventure Learning (DOAL) where he was module chair of the Challenge Course Management module amongst other DOAL modules. Through this stint at RP, Adrian discovered a new interest in learning design and decided to join the Centre for Learning Systems at SAFTI where he worked on revamping soldier training in the SAF. He then decided to return to the outdoor industry by taking up a position at Outward Bound Singapore (OBS) as a training consultant. At OBS he conducted courses including the Challenge Course Instructor (CCI) course for many External Freelance Instructors (EFI) and outdoor educators working in challenge courses today.



Adrian is also an avid climber, and he is a sport climbing and abseiling instructor in the Singapore Sports Climbing and Mountaineering Federation (SSCMF). He regularly conducts the federation's course for the public to introduce new climbers to the sport as well as the Instructor Training Course to train up future climbing instructors. He also volunteers to organize regular Community of Practice (COP) sessions for the instructor community and works on special projects with the federation to improve the quality of climbing instructors in Singapore.

Adrian's involvement with the challenge course has evolved over the years from participant, to instructor, to trainer, to manager, to programme designer. The next challenge for him is to develop himself as a reviewer and that is what he is working towards with his experience in the industry.

Register now: <https://go.gov.sg/noeworkshop3>



<https://go.gov.sg/noeworkshop3>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 4: Wildlife Etiquette in our City in Nature

Location: Republic Polytechnic - TRCC, Classroom Create Space

Coexistence with wildlife is key to realizing Singapore's vision of a City in Nature, our SGP 2030 and the UN Sustainable Development Goals. Through scenario-based exercises and sharing of real life conflict situations, the participants will take away –

- (1) avenues to incorporate coexistence in your programme content and premises, and
- (2) best practices to ensure safe wildlife encounters when conducting outdoor education programmes.

Ms Anbarasi Boopal

Co-Chief Executive @ ACRES (Animal Concerns Research and Education Society)

Anbarasi (Anbu) Boopal started volunteering with ACRES in 2006 while studying at NUS, and then joined as a full-time staff in 2007. With over 17 years of experience in wildlife rescues and animal protection issues, she is now ACRES's Co-CEO overseeing the education, fundraising, animal crime investigation and the wildlife management departments at ACRES. With Masters degrees in Life Sciences and Environmental Management, her interests include empowering individuals on ways to help animals directly, and addressing the root causes of issues through advocacy and education..



Ms Jocelyn Chng

Wildlife Management Executive @ ACRES

With 9 years of experience in education, Jocelyn brings her strengths to make a difference for the wildlife and environment. She is part of ACRES wildlife management team and has over 2 years of experience in wildlife encounters and otter watching in Singapore. Her work involves engaging the members of public, estate managers, town councils in promoting coexistence and offering site-specific tips to minimise human-wildlife conflict situations.

Register now: <https://go.gov.sg/noeworkshop4>



<https://go.gov.sg/noeworkshop4>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 5: ACCT Accredited Operation Program

Location: Republic Polytechnic - TRCC, Classroom Rm 1C

ACCT's Accredited Operation presentation is a lecture style presentation that includes information about the program, how to get ready, what to expect in the on-site review, and what we are looking for in the additional documentation. This would give tremendous value to the operations that fall under the purview of the Singapore Ministry of Education as they move forward with new regulations. Attendees should feel more informed and comfortable moving through the accreditation process and application. Attendees will receive a hard copy of the supporting documents, a list of Operation Reviewers who have been accepted to provide Operation Reviews, a list of Professional Inspectors that can provide Professional Inspections, and a digital copy of the Operation Accreditation User Manual.

ACCT's Accredited Operation presentation includes information about the program, how to get ready, what to expect in the on-site review, and what we are looking for in the additional documentation.

Ms Heather Brooks

Program Manager @ Association for Challenge Course Technology (ACCT)

After working in the industry for several years as a zip line/canopy tour guide, manager, trainer, and inspector. Heather manages the day-to-day operations of the ACCT Programs Department. She also works very closely with all the program committees, panels, and task forces to help implement program updates and improvements.



Mr Jason Ong

Board of Director @ ACCT

Jason is no stranger in the Outward Bound circle. With over 30 years in the industry, Jason is currently a distinguish life member of the Outward Bound® Trust of Malaysia, the past co-Chairman for the Safety Committee, and now a Training and Programme Development Committee member. He also serves as an elected Board of Director and the Board Liaison for the International Committee of the Association for Challenge Course Technology (ACCT) as of 2022. Jason is an enthusiastic hiker and climber.

Register now: <https://go.gov.sg/noeworkshop5>



<https://go.gov.sg/noeworkshop5>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 6: Safety Governance and Risk Management Architecture

Location: Republic Polytechnic - TRCC, Classroom Dance 2

This workshop covers how OBS develop her Risk Management Framework and the incident classification system to help the organization manage outdoor adventure education risk and incidents. Participants will also have the opportunity to share with one another their experience in doing so. The workshops will also briefly cover the development of Business Continuity Planning to ensure emergency preparedness & readiness.



Mr Raymond Lee Yeow Khim

Assistant Director (Safety & Quality Audit) @ OBS

Raymond started his career outdoors at Changi Sailing Club as an Activity Executives after completing his national service in 1999, where he took charge of organizing sailing courses, races and sailing trips to venues such as Pulau Rawa in Malaysia.

Raymond continued his passion for the outdoors when he joined Outward Bound Singapore (OBS) in 2000 as an instructor in 2000. He served the first few years at SPARKc (a campus under the care of OBS that conducts courses for children aged 10 to 14 years old). He was fortunate to join the pioneering staff batch at SPARKc, that developed new children programme & curriculum, and operationalized the campus.

He was later appointed as Unit Head in managing instructors to ensure safe delivery of all OBS programme, including the selection of new instructors and placing them through six months of intensive training. At OBS, he also took charge of leadership and experiential programme design and marketing to schools and various institutions. He also trains outdoor leaders, which includes staff from Outward Bound centres in the region.

Raymond was transferred to People's Association Water Venture in 2009 to manage all eight water venture outlets across Singapore. His key achievement included the development of a new specialized mega club house at Marina Bay before he returned to OBS in 2013.

Raymond has been appointed Assistant Director (Safety & Quality Audits) who oversees the development of OBS Safety Governance Systems which includes safety compliances and audits. His key projects include developing the OBS Risk Management Framework and promoting safe work culture, using a customized Culture Safe survey tool.

Register now: <https://go.gov.sg/noeworkshop6>



<https://go.gov.sg/noeworkshop6>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 7: Maximising the Benefits of OE for the Vulnerable, Marginalised and PWD Communities

Location: Republic Polytechnic - TRCC, Classroom Rm 3C

The benefits of OE is Infinite. How can we work together to provide a more inclusive service for the emerging clients? Sharing the insight of our meaningful experience and invoking more ideas in creating more strategies and opportunities.

Ms Muzdalifah Anuar

Founder @ GEMS Singapore



LEADING BY EXAMPLE. “Once a Soldier, Always a Soldier”

Efah started her leadership journey in the Singapore Armed Forces fresh after graduating from Temasek Polytechnic. As Singapore’s First Female Combat/Infantry Officer, it was tough for her to overcome the various challenges leading men in training and battle simulations. She has trained alongside other men and trained over 5000 men during her 15-year stay in SAF. Having had to shoulder the responsibility of the lives, welfare and training of her subordinates, the army and the invaluable experiences has taught her to lead by example, excel in everything she does with pride and integrity and always overcome adversity with courage, fortitude and determination -

PASSION FOR WOMEN-CENTRIC TRAINING

Her passion for training and development continue to spur even after leaving the armed forces. As a mother of 3, Efah recognises the importance of the role of a mother-figure in the household in fostering better future generations. Thus POPWOW (Pearls of Paradise – Women of Wellness) was established to raise the awareness of the importance of embracing total wellness and to provide self-developmental programmes through sports, outdoor education, and experiential learning to women to harness their true potential. The objective is to equip and empower them with essential life skills to redefine themselves to be stronger holistically and therefore be a more effective and efficient parent/ caregiver, be beneficial to the community and contribute more to society at large. The journey has been arduous but the transformation she witnessed over the years keeps on fueling her passion to continue this outreach.

Register now: <https://go.gov.sg/noeworkshop7>



<https://go.gov.sg/noeworkshop7>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 8: Writing Effective Standard Operating Procedures for Outdoor and Adventure Activities

Location: Republic Polytechnic - TRCC, Classroom Rm 3D

Standard Operating Procedures (SOPs) have been the cornerstone for risk and safety management in outdoor and adventure organisations. They serve as a safeguard and evidence for duty-of-care between the providers and clients. This seminar showcases the principles in writing effective Standard Operating Procedures (SOPs) for outdoor and adventure activities and operations. The speakers will facilitate the audience in telling the differences among policies, standards, SOPs and lesson plans and understanding the importance of SOPs for outdoor and adventure service providers.



Mr Lee Beng Huat Allan

Allan Lee has been involved in the training and development related profession for the past 30 years. As a trainer, he has conducted and facilitated hundreds of courses and programmes. His other industry experiences include human resource management, organisational development, finance, marketing and business development. He has written and published two game resource books called Propless Games (2008) and Prop-Less Games (2009). He has served as the Head (Standards and Accreditation) for OLAE Association from 2016-2021, and have been involved as the Project Lead for OLAE's Standards of Industry Practices and MOE's Outdoor and Adventure Learning (OAL) Activity Guide. He is married with two kids.

Mr Selamat Jufri

Selamat Jufri graduated with a Bachelor of Science (Exercise and Health Science) from the University of Western Australia. With his 10 years of experience as an Outward Bound Singapore (OBS) instructor and 6 years of managing the Republic Polytechnic (RP) Adventure Learning Centre, Selamat counts his technical capability and programme facilitation skills among his list of personal achievements. He is currently a Senior Lecturer in Republic Polytechnic - Diploma in Outdoor and Adventure Learning. His speciality is in Challenge Course Management within the Diploma, and is an accredited ACCT Challenge Course Manager. Selamat believes that the outdoors holds many treasures and the most valuable of them is the opportunity to see one's true character. He is married with one kid.



Register now: <https://go.gov.sg/noeworkshop8>



<https://go.gov.sg/noeworkshop8>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

22 September 2022 / 1300 to 1400

1ST CONCURRENT WORKSHOPS:

Workshop 9: Inspiring Change Through Green Camps in Mandai

Location: Republic Polytechnic - TRCC, Classroom Rm 3B

As a wildlife attraction which champions biodiversity conservation and environmental protection, Mandai Wildlife Reserve aims to inspire pro-environmental action in its visitors. In this presentation, we share new school camp programmes which aim to help students find connection and relevance in sustainability education. Join us to discover how we design school camps that showcase authentic examples of sustainable practices and provide experiential learning opportunities which create connections to the natural world and inspire behavioural change.

Ms Vera Yang

Senior Manager @ Mandai Wildlife Group

Vera is Senior Manager, Education with Mandai Wildlife Group and has over ten years of experience in wildlife and environmental education. She leads a team which develops conservation and sustainability communications for internal and external stakeholders. Besides being passionate about creating education experiences which facilitate connection to nature and pro-environmental mindsets and behaviours, Vera is also interested in behavioural research that underpins these processes.

She holds a Master of Science (Zoological Sciences) degree from National Institute of Education, Singapore.

Register now: <https://go.gov.sg/noeworkshop9>



INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

DAY 2 WORKSHOP SYNOPSIS

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 10: Fun in Nature Escapade : an experience of a LIFETIME

Location: Republic Polytechnic - RPC, Classroom Mtg 1H

The transformational journey of outdoor education for special needs in Singapore from total neglect or exclusion from participation in the past to acceptance and inclusion in the present landscape. Outdoor education for special needs has seen significant challenges with more industry players, schools and parents support groups bringing them outdoor, enrolling them in challenging and adventurous programmes and activities which was unlikely to happen in the past. The future of outdoor education for special needs look brighter and promising with new ideas, better facilities /innovation and positive mindful industry players and trainers.

Mr Mohideen Ally

Project Director @ The Special People

Special Educator for the past 40 years with experience from special early childhood education to young adults with Disabilities. A staunch advocate for outdoor education for people with special needs. In his early years when he was a Vice principal in MINDS, he organized many challenging activities for the Organisation which include climbing up Mt Ophir, hiking, camping and kayaking expeditions. Mohideen was the District Commissioner for the Singapore Scout Association. Training Team member of both Scout and National Police Cadet Corps. He organized the first canoeing expedition for students with physical disabilities, quarter marathon for the intellectually disabled students, integration camp for special needs. Mohideen believes that the benefits of outdoor education are endless. Only WE are preventing them from benefitting it.



Ms Mastura Rashid Khan

Director @ The Special People

She is a special educational therapist and certified counselor. She has more than 36 years of teaching experiences with people with special needs. She taught at a number of local and International special schools in Singapore. Mastura did her Master of Counseling at Monash University and Bachelor in Special Education at Flinders University. She is an adjunct supervisor for Singapore Management University psychology students. She is also a volunteer part time trainer for caregivers of people with mental health issues/ depressions with Caregivers Alliance Singapore. Mastura is very passionate in outdoor



education, and she strongly believes in "Dignity of Risk". She would challenge her special needs students in bringing them out and give them the opportunity of a lifetime. In 1995, she founded "The Special People" – a company that serves people with special needs. She brought about many changes in the outdoor education curriculum and introduced many activities outside the classroom. Her favourite quote is, *"We can do it, We are educators, we are born to make the difference"* - Rita Pearson

Register now: <https://go.gov.sg/noeworkshop10>



<https://go.gov.sg/noeworkshop10>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 11: Training for Readiness, Mastery or Certification? Relooking at workplace training for outdoor learning organisations in theory and in practice

Location: Republic Polytechnic - TRCC, Classroom Rm 1C

How do we design training programmes to support new outdoor instructors to apply what they have learnt? There should be greater intent to design contextualised training programmes where learners could apply and relate to new knowledge and skills to their contexts. In this workshop, the presenter describes key concepts about contextualised training and development — which re-examines workplace learning and transfer of learning. She illustrates with her experience in designing and delivering workplace courses for the outdoor education industry in areas such as facilitation, climbing and kayaking.

Ms Tan Ai Chin

Programme Chair (Diploma in Outdoor & Adventure Learning) @ Republic Polytechnic

Ai Chin's interest in quality learning and teaching in outdoor education sustains and the roles she takes includes curriculum designer, teacher, administrator, manager, researcher, peer coach, event organiser, and curriculum reviewer. In particular, she enjoys innovating to design relevant and engaging curriculum to learners. She also enjoys the creative process of providing solutions to industry partners through projects. She also trains and certifies climbing instructors and kayaking instructors.



Register now: <https://go.gov.sg/noeworkshop11>



<https://go.gov.sg/noeworkshop11>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 12: Leave no one behind

Location: Republic Polytechnic - TRCC, Classroom Create Space

Inclusion has given a new meaning to “Leave no one behind” a commonly used quote to set the mood of a journey in a programme to remind participants that they should always aspire to help others despite their shortcomings. The third enabling masterplan has outlined the steps needed to be taken to improve the quality of Life (QoL) of Persons with Disabilities (PwDs). Presenters will be sharing their experiences in conducting various outdoor activities for the PwDs. These experiences will bring the audience into looking at other perspectives of outdoor and adventure programming, unpacking the activity considerations and modifications; and actions required for inclusion.

Ms Aslamiah Halim

Lecturer @ Republic Polytechnic

Aslamiah has accumulated 10 years of experience facilitating and designing programme for a wide range of clients. In RP, she's involved in programme designing and training & development and community engagement for the RP community and other clientele. Her satisfaction comes from delivering the needs of the clients to the positive interaction she has with the participants. She has recently developed experiential learning programmes for Persons with Disabilities (PwDs) through service learning and consultancy projects. She believes that experiential learning is an effective tool for discovering one's potential. She hopes to provide access for all ages and abilities to have an opportunity to discover their potential through outdoor and adventure.



Ms Lois Ser

Lecturer @ Republic Polytechnic

Lois believes that everyone should be given the opportunity to experience the great outdoors. As a lecturer in the Diploma in Outdoor and Adventure Learning (DOAL), RP, she enjoys helping students to succeed, especially in growing to become who they want to be. She is adept in training and equipping students with safety conduct and supervision skills in high elements and water activities. Her recent work extends to include students with special needs. She enables her students to explore inclusive design and delivery, ignites their interest and motivation to present outdoor activities to include the special needs

students in adventure and outdoor participation. She hopes to uncover the potential of her students and the students in SPED schools to reach their personal best through her commitment in purposeful mentoring, coaching and inclusive programme design and delivery.

Register now: <https://go.gov.sg/noeworkshop12>



<https://go.gov.sg/noeworkshop12>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 13: A Heutagogical approach in Outdoor Education and Adventure Learning - An experiment in teaching Outdoor Cooking

Location: Republic Polytechnic - TRCC, Classroom Rm 3A

"Heutagogy is a recently hewn teaching approach, first described by Hase and Kenyon, 2000. It is essentially self-determined learning that deploys student centered instructional strategies which promotes the development agency, capability and capacity for the goal of achieving competency and lifelong learning."

This workshop explores 'heutagogy' as a method of lesson delivery in Outdoor Education opposed to the traditional application of pedagogy. It may not be the approach of choice for every Outdoor Education program especially at entry or beginner levels however, it is envisaged that the approach has potential to excite, enthuse and expand the participants' interest in Outdoor and Adventure Learning when he/she begins to mature in terms of experience and competency.

Mr Alfred Casimir Nathan

Senior Teacher PE @ St. Joseph's Institution (SJI)

Alfred is an active advocate to Outdoor Education for more than thirty years. His strong interest in sports and adventure ignited during his childhood through the mentorship of family and teachers. He often recalls the stories of these experiences and the strong bond with his father, teachers, and friends through this journey. As the champion for Outdoor Education in SJI, he aims to provide a school wide approach for an outdoors curriculum for students in Year 1 to 6. He strongly believes education with a reasonable emphasis on authentic outdoor learning experiences through camps, expeditions, service learning and participation in adventure activities will benefit the development and wellbeing of urban dwelling students.

Ms Denise Mabel Martens

Teacher @ SJI

Denise is an English teacher in SJI with a fiery passion for the teaching of the language. She is affection known as "Mrs J" by her students as she fosters strong teacher student relationships her charges in class and CCA. In her free time, she loves to cook and bake, and many of us in SJI both teachers and students alike have benefitted from her incredible talent. In 2015, Denise volunteered to join and contribute as a Josephian Outdoor Educator with the mission of spreading the positive culture of food to a larger audience. Her message of food that brings people together will always well received with broad smiles and satiated tummies.

Ms Pan Shijue

Outdoor Educator

Jay was an avid tennis player, sea sports enthusiast and dedicated cadet in the National Police Cadet Corps (NPCC) back in her school days. Jay's passion and interest in sea sports grew and it marked the start of her outdoor education journey. She possesses vast knowledge and experience in sea sports, which has given her an edge in planning and leading numerous kayaking expeditions. She finds joy in sharing her personal experiences with participants, the young and old alike, to discover their strengths and weaknesses within themselves through activities in the outdoors. As an established outdoor educator in the community, her experience spans over 16 years conducting local and overseas programmes for students, Prisons and Army Officers, and corporate groups.

Register now: <https://go.gov.sg/noeworkshop13>



<https://go.gov.sg/noeworkshop13>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 14: kNOw Standards!

Location: Republic Polytechnic - TRCC, Classroom Rm 3B

Do you have standards?

Find out what are the relevant guide, standards, laws and regulations over Challenge course and climbing wall industry worldwide and locally?

Mr Jeffrey Chua

Exponent Challenge Technology Asia

Managing Director

Jeffrey's experience in outdoor education and adventure learning spans more than 3 decades. He joins Outward Bound Singapore in 1988 becoming the team of pioneering instructors in developing training curriculum and safety regulations. He started Exponent Challenge Technology Asia in 2006, since then he been extensively attending professional network with both ACCT and European Norms experts and practitioners in the Challenge Ropes Course and Rockwall industry.



Register now: <https://go.gov.sg/noeworkshop14>



INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 15: Decision Making for Outdoor Education Managers

Location: Republic Polytechnic - TRCC, Classroom Dance 2

A highly interactive workshop in which participants will take on a variety of roles in order to make important decisions about school trips and adventurous activities from a range of different perspectives.

Mr Martin Richard Foakes

Head of Outdoor Education @ Tanglin Trust School

Martin Foakes has been designing and leading exciting school expeditions in South East Asia and the UK for more than 30 years. He is also an experienced mountain climber and cave explorer. Martin started his career as a teacher in the UK, where he led regular student caving and climbing expeditions to the Yorkshire Dales. In 1993 he moved to a Hong Kong, where he taught Biology and led adventurous expeditions before relocating to Thailand (Chiang Mai and Bangkok) in 2006. He then spent a year in Bali, developing the unique Outdoor Education and Science programs at the Green School project before coming to Singapore and Tanglin Trust School in August 2011. Throughout his career Martin has devoted his energy and passion to developing a holistic approach to Outdoor Education. His background in adventure, natural history and his curiosity for international cultures means that the Outdoor Education programs at Tanglin Trust School are framed with a profound sense of place and a commitment to sustainability.



Register now: <https://go.gov.sg/noeworkshop15>



<https://go.gov.sg/noeworkshop15>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 16: Is that Really Challenge by Choice?

Location: Republic Polytechnic - TRCC, Classroom Rm 3C

Practitioners often adopt a “Lead the horse to water and let it decide whether to drink” mentality when it comes to Challenge by Choice (CbC). However, we are also constantly worried that the horse’s response will be “I choose NOT to drink.” What can we do to increase CbC in OE? What are some considerations when implementing CbC in your activities?

Mr Lye Yen Kai

Managing Director @ Pivotal Learning

Yen Kai has more than 15 years of training and facilitation experience with youths, corporate and government bodies. He has been running his own training company since 2006 with both youths, educators and corporate clients. As part of the expansion into corporate markets, he focuses on using Experiential Learning, Teambuilding and Process Facilitation in Strategic Retreat, Team Development, Focus Group Discussion and Public Engagement.

Yen Kai is probably one of the few practitioners in this line of work who focuses on Educators. He has been training teachers with facilitation skills since 2010. Starting with Process Facilitation in the Professional Learning Team, he has expanded his facilitation workshops for teachers to PAL Facilitation, CCE Facilitation, Classroom Facilitation.

He has also trained all the Outdoor Adventure Educators (OAE) and Outdoor Programmes Managers (OPM) in MOE Outdoor & Adventure Learning Centres in 2020 & 2021. He also facilitated the SDCC Specialist & Management Retreat in 2018 & 2019. He has been conducting Facilitation Skill for PLT Leaders in AST since 2010.

He had worked with various branches / units in MOE HQ in facilitation such as OE Branch in PSOEB, OD Branch and SDCC.

He was the founding member and President of Outdoor Learning & Adventure Education Association from 2015 to 2022 to elevate the competencies and professionalism of the operators and practitioners in the industry.

Register now: <https://go.gov.sg/noeworkshop16>



<https://go.gov.sg/noeworkshop16>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 17: Creating your own Forest School

Location: Republic Polytechnic - TRCC, Classroom Rm 3D

During the COVID pandemic, a massive movement to move education outdoors across the world, have highlighted the Achilles of outdoor education in establishments. The Forest School movement in Singapore, expanded from a small amount of 5 in 2019, to a total of more than 30 right now. It is now a program in almost every International Schools. In this workshop, you will be learning the intricacy of starting a Forest School in Singapore. You will be equipped to start your own Forest School.

Mr Quek Zhisheng Darren

Principal @ Forest School

Before Forest School, Darren was the Head of Physical Development for Nurture Education Group managing the sports program for 30 staff, 12 centres and 1000 over children. He also spent 2 years understudying an Occupational Therapist with 20 years' experience in working with Special Needs children. All the experience and training had led him to the realisation of the absolute importance of bringing nature learning into a human being's life, as nature is the root of all our existence. He is part of a village that raised a child.

Darren is the Principal of Forest School Singapore. He is a certified Forest School Level 3 Practitioner by the UK Open Awards Certification Body.



Register now: <https://go.gov.sg/noeworkshop17>



INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1000 to 1100hrs

2nd CONCURRENT WORKSHOPS:

Workshop 18: The ABC's of an Adventure Course Inspection & Maintenance

Location: Republic Polytechnic - TRCC, Classroom Dance 1

To help attendees understand what kind of inspection do they need and what are the things to prepare before or after an inspection. It would cover the following topics:

- What type of inspection are there for an adventure ropes course?
- How to read an inspection report?
- What does your inspection & maintenance report says?
- Maintenance before or after an inspection?



Mr Yulius Chua

Senior Technician @ Exponent Challenge Technology Asia

The outdoor foundation stone was laid during his Boys' Brigade years both as a Boy and Officer, it has brought Yulius deeper into his passion for kayaking, climbing, adventure and ropes courses. From running school camps, events to an instructorship, the journey now brings him to a more technical role in adventure ropes parks and challenge courses.

Yulius is currently a certified ACCT Level 2 Inspector Supervisor, Lead Builder and Head Rush Technologies Service Technician.

Mr Izar Hassan

Lead Installer @ Exponent Challenge Technology Asia

Started his career in Training and Outdoor Education in the government sector where he conducts Outdoor Programs as well as Training and Facilitation for schools as well as corporate groups. He also developed himself in the Industrial Rope Access Trade having 14 years as a IRATA Technician working in various projects around the world, from construction, commissioning, maintenance, repair & inspection.

To date, Izar Hassan is in the Outdoor Education industry and currently with Exponent Challenge Technology Asia as a Lead inspector & installer for Challenge ropes course.



Register now: <https://go.gov.sg/noeworkshop18>



<https://go.gov.sg/noeworkshop18>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 19: Enhanced Student Development Experience (SDE) & Learning through Distinctions in Facilitation

Location: Republic Polytechnic - TRCC, Classroom Dance 2

Pause. Recall a session where you led your students/participants. Were you facilitating, instructing or teaching?

Join us to explore the use of facilitation to enhance Student Development Experience (SDE)! In this session, we unpack the distinctions between F.I.T (facilitation, instructions, teaching) and how these 3 approaches can be weaved together in ANY lesson - be it PE, learning journey, leadership etc. to bring about greater awareness and engagement for your students/participants!

Ms Samantha Lim

Trainer @ Pivotal Youth

Samantha is an experiential-learning trainer and facilitator from Pivotal. With a background in psychology and education, she actively seeks opportunities and creates platforms for effective learning. She oversees the design and curation of curriculum and programmes focused on leadership and character development for children and youth.



Mr Ry Choo

Trainer @ Pivotal Youth

Ry has been involved in youth training for the past 15 and more years. Started with an interest in experiential learning, he soon found his way into this interesting and gratifying area where his experience can be used to support the youth to develop themselves for future adventure and/or endeavors. He has a keen eye for translating broad concepts into deep learning through games & activities.

Register now: <https://go.gov.sg/noeworkshop19>



<https://go.gov.sg/noeworkshop19>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 20: MSHS Outdoor Education through the SPARKs

Location: Republic Polytechnic - RPC, Mtg 1H

SPARKs programme is a “learn for life” initiative where Marists feel curious and eager to learn from a diverse and distinctive sports and outdoor education programming that is anchored on values and learning disposition. Teachers as the key ingredient in SPARKs programming would co-create the outdoor education learning content together in the workshop and learn to apply the facilitation strategies in the customized camping experience to elicit values-based learning for the students.

Mr Joel Ow Yong Choo Ee

Head of Department (PE & Aesthetics) @ Maris Stella High School (Primary)

Assumed Head of Department in MSHS in 2019 and have been working on the school's Life Programme (LLP) for sports and Outdoor Education (OE). He led the LLP review in 2020 during the Covid-19 pandemic period to introduce SPARKs framework to better align to the LLP intent and purpose.

Mr Mohammad Rizal

Subject Head @ Maris Stella High School (Pri)

Rizal is the Subject Head in MSHS in 2015. He initiated the school's LLP for Sports and OE in 2015. The LLP was design to align with the earlier school's PE and OE curriculum.

Register now: <https://go.gov.sg/noeworkshop20>



INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 21: Incident Investigation using the 5Ms

Location: Republic Polytechnic - TRCC, Classroom Rm 3A

The 5M model has been widely used in the aviation industry to determine the root cause / causal factors of an incident. It is also adopted by MINDEF in their incident investigation approach. This workshop will cover an overview of the 5M model and participants in a case study perspectives for each component of the 5M model. The workshop aims for the participant understand the 5M model and appreciate its application in an incident investigation process.

Mr Nur Abidin Suleman

Assistant Director (Operational Safety Management) @ OBS

Abidin started his career in Outward Bound Singapore as an Instructor since 2006 where he conducted OBS courses for a wide variety of participant profiles. These courses ranged from 1 to 21-day duration, conducted both locally and overseas for mainstream youths, youth leaders, youths with at-risk behaviours, as well as Uniformed group leadership programmes and corporate programmes.

He continued his career as a stepped up to be a Team manager, leading and guiding fellow instructors to deliver safe and quality programmes. in their development in the organisation. As a team manager, He also developed games leadership workshops to refresh and introduced new activities for the instructors.



He then progressed as a Senior Training Consultant where he developed and managed leadership and team-building programmes for the corporate sector. His key clients include the Singapore Police Force, Singapore Civil Defence Force, Immigration & Checkpoint Authority and Teck Wah Industrial Corporation.

He returned to the operations cluster as Lead Instructor and managed the instructors in their course deployment and career development. Due to the expansion of the organisation, he was tasked to develop structured internal processes to accommodate the growing unit.

He is currently the Assistant Director for the Operational Safety Management unit where he manages and develops the operational safety policies and risk assessments for OBS activities. He is also looking into safety incident data analytics by developing an incident data dashboard that allows incident trend spotting and studying of incident causal factors.

Register now: <https://go.gov.sg/noeworkshop21>



<https://go.gov.sg/noeworkshop21>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 22: Environment and Sustainability Education in Outward Bound Singapore

Location: Republic Polytechnic - TRCC, Classroom Rm 3B

Environment and sustainability education (E&SE) has grown in significance in recent years and become a critical part of experiential learning.

Outward Bound Singapore (OBS) aims to infuse E&SE into its outdoor experiential programmes, to provide opportunities to explore nature in the outdoors, gain knowledge and skills for the protection, conservation, and restoration of the environment.

In this workshop, see how OBS developed an E&SE curriculum for its programmes and coach development scheme for its Instructors. Discuss with fellow practitioners how some of these could be relevant and applicable to your own experiential education programmes!



Ms Tay Chiew Guat

Outdoor Programme Manager @ MOE

Chiew Guat was the Master Training Consultant with OBS, spearheading the Environment & Sustainability Education (E&SE) Training Curriculum as well as E&SE Coach Developmental Scheme. Leveraging her background as a teacher, Chiew Guat is able to incorporate the pedagogical approaches that schools are familiar with, into the outdoors to establish the E&SE Training Curriculum.

Mr Khairuz Chua

Lead Training Consultant @ OBS

Khairuz Chua has been working in Outward Bound Singapore for 7 years and is currently a Lead Training Consultant in Programme Development. He believes in developing youths to realise their potential and to explore their own abilities and limits. Currently, he is involved in the design, development, innovation and management of various programmes for various organisations and stakeholders in Outward Bound Singapore.



Ms Teri Yap

Lead Training Consultant @ OBS

Teri Yap was a teacher in a junior college for 19 years and has been with Outward Bound Singapore (OBS) for 4 years. As a Lead Training Consultant in the Youth Development Programmes Department, she focuses on designing, developing and managing programmes. She aims to create engaging curriculum and resources for youth to connect more with the environment and nature during their OBS course.

Register now: <https://go.gov.sg/noeworkshop22>



<https://go.gov.sg/noeworkshop22>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 23: Risk-based Approach to Development of Standard Operating Procedures

Location: Republic Polytechnic - TRCC, Classroom Rm 3C

Organisations typically design an SOP first before coming up with the Risk Assessment for the activities. What happens when we turn the process around by adopting a risk-based approach in the design of the SOP instead? Find out how this approach helps create a more comprehensive SOP and aids in the design of curriculum and assessment subsequently.



Mr Lye Yen Kai

Managing Director @ Pivotal learning

Yen Kai has more than 15 years of training and facilitation experience with youths, corporate and government bodies. He has been running his own training company since 2006 with both youths, educators and corporate clients. As part of the expansion into corporate markets, he focuses in using Experiential Learning, Teambuilding and Process Facilitation in Strategic Retreat, Team Development, Focus Group Discussion and Public Engagement.

Yen Kai is probably one of the few practitioners in this line of work who focuses on Educators. He has been training teachers with facilitation skills since 2010. Starting with Process Facilitation in Professional Learning Team, he has expanded his facilitation workshops for teachers to PAL Facilitation, CCE Facilitation, Classroom Facilitation.

He has also trained all the Outdoor Adventure Educators (OAE) and Outdoor Programmes Managers (OPM) in MOE Outdoor & Adventure Learning Centres in 2020 & 2021. He also facilitated the SDCC Specialist & Management Retreat in 2018 & 2019. He has been conducting Facilitation Skill for PLT Leaders in AST since 2010.

He had worked with various branches / units in MOE HQ in facilitation such as OE Branch in PSOEB, OD Branch and SDCC.

He was the founding member and President of Outdoor Learning & Adventure Education Association from 2015 to 2022 to elevate the competencies and professionalism of the operators and practitioners in the industry.

Register now: <https://go.gov.sg/noeworkshop23>



<https://go.gov.sg/noeworkshop23>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 24: Integrating Cultural and Global Competencies With Outdoor Learning

Location: Republic Polytechnic - TRCC, Create Space

Moving beyond Outdoor Adventure outcomes such as resilience, teamwork and leadership, designing programmes with an emphasis in place-based learning will drive inter-disciplinarity in cultural and geographical appreciation. Purposeful curation of the programmes which give our digital natives their voices in current trending issues will translate into sustainable action. Exchanges between outdoor practitioners creates the ability to innovate programmes to meet the changing needs of today's youths.

Ms Chew Wee Ling

Specialist (Office of Student Life) @ Singapore University of Social Sciences

Wee Ling honed her myriad of hard and soft skills initially through 10 years of service with the Outward Bound Singapore. Her service in the education field stems from her exposure to Kurt Hahn's educational philosophy which laid the foundation for her belief in using tactile and self-reflective means in the approach towards experiential learning.

Following that she taught Experiential Education in the School of the Arts (SOTA), Singapore, introducing students to the process of experiential learning through purposeful activities and reflective journaling techniques. The immense satisfaction witnessing her students benefit from programmes designed by herself - such as the sailing expedition to the Anandas Islands, trekking in the Manali mountain alps and the setting up a Rock Climbing Club - continues to inspire her to give her best towards making a positive difference to the people around her.



In SUSS, Wee Ling takes on the role as an Outdoor Programme Specialist in Office of Student Life. She has built a good following of outdoor enthusiast through setting up the Outdoor Adventure Interest Group and facilitating programmes that bring students closer to nature. Enabling the next generation of youth to appreciate nature and using the outdoor skills to impact others is the guiding destination for her.

Register now: <https://go.gov.sg/noeworkshop24>



<https://go.gov.sg/noeworkshop24>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 25: The Future of (Overseas) OE is in sustainability – both educational institutions and the smart money say so!

Location: Republic Polytechnic – TRCC, Rm 3D

The Singapore Go Green 2030 campaign recognizes that sustainability is key to our survival. Schools are recognizing that Outdoor Education is a prime vehicle for delivering sustainability. COVID has further cemented schools' view that OE should focus on sustainability rather than adventure activities that can also be done at home. Students love it. The smart money is looking for it. In this workshop you will experience why it is so cool and why we can all do it.

Dr Marc van Loo

Founder @ LooLa Adventure Group Pte Ltd / Safe Water Gardens Pte Ltd

Dutch by birth, cosmologist by training, educator and international educational author by early profession, Dr Marc van Loo opened LooLa Adventure Resort in 2000 – which went on to become the world's most highly decorated eco resort.

Spurred on by the preventable death of the daughter of LooLa's cook, LooLa's team – together with LooLa's guests– has built 500+ life-saving sanitation systems for village families in Bintan over the last 4 years, the so-called Safe Water Gardens (SWG). Marc then put together an alliance of research institutes and companies and passionate individuals, united in our aim to bring 100 million Safe Water Gardens to villagers around the world within the next 5 years. The Indonesian government recognised the SWG as part of its national standards in 2019, making the SWG officially the world's most cost-efficient stand-alone sanitation system.



Register now: <https://go.gov.sg/noeworkshop25>



<https://go.gov.sg/noeworkshop25>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 26: Re-booting Outdoor Adventure Programmes for youths in COVID-19 world

Location: Republic Polytechnic - TRCC, Classroom Dance 1

This workshop looks at the impact of COVID-19 on Youth Development, the importance/ benefits of Outdoor Adventure Programmes in Youth Development, Outward Bound Singapore approach to re-booting Outdoor Adventure Programmes for youths and what Outdoor Adventure Programmes can do in a post COVID-19 world.



Mr Timothy Ng

**Head / Lead Training Consultant (Youth Development Programmes)
@ OBS**

Over the 10 years of outdoor education experiences, Timothy has impacted many individuals through the design and conduct of local and overseas programmes. He believes that outdoor education can provide rich learning experiences outside the classroom and develop well-rounded individuals by building resilience and ruggedness.

Ms Grace Koh

Senior Manager (Curriculum Planning & Development) @ OBS

Grace has nearly 10 years of experience in education research, focusing mainly on students' habits, needs and programme feedback. She focuses on research in the Curriculum Planning and Development unit. Gathering feedback and using data to solve issues sparks joy in her.



Register now: <https://go.gov.sg/noeworkshop26>



<https://go.gov.sg/noeworkshop26>

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

23 September / 1115 to 1215hrs

3rd CONCURRENT WORKSHOPS:

Workshop 27: In Conversation: What binds us together in the outdoor education sector?

Location: Republic Polytechnic - TRCC, Rm 1C

Over the past decade, there have been major developments that have influenced in the outdoor learning sector significantly. First, outdoor education in Singapore have evolved to be a broad concept which include adventure learning, place-based learning and environment education. Second, outdoor education has also been extended to a more diverse learner profiles, ranging from preschool children and students with special needs. Third, it has also become more formalised in the national curriculum and etched in the National Outdoor Education Masterplan. In view of such increasingly diverse outdoor education landscape in Singapore, if we say we are Developing as a Sector, what is the unifying framework or broad conceptions of this Sector that we all say we belong to?

Dr Abdul Kahlid

Assistant Director (CET) & Principal Lecturer @ Republic Polytechnic

Kahlid has over 25 years of experience in facilitating experiential learning and development for a diverse learner profile since his time at Outward Bound Singapore and short stints with regional and international Outward Bound schools. In 2005, he joined RP to start the Diploma in Outdoor and Adventure Learning with the School of Sports, Health and Leisure. Kahlid obtained his Doctor of Education from the University of Edinburgh in the area of outdoor education. He is currently Assistant Director (CET) & Principal Lecturer at the Centre for Educational Development, overseeing lecturer professional development and continuing education and training for local and regional clients.



Register now: <https://go.gov.sg/noeworkshop27>



<https://go.gov.sg/noeworkshop27>

REPUBLIC POLYTECHNIC MAP



INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

HOW TO GET TO REPUBLIC POLYTECHNIC

By Private Transport : **PIE (Jurong):** Exit onto BKE (Woodlands) (Exit 24)

BKE: Exit onto SLE (Exit 8)

SLE: Exit via Woodlands Ave 2 (Exit 10)

Woodlands Ave 2: Turn right into Woodlands Ave 9 at the 4th junction (after you see Woodlands MRT on your left)

Woodlands Ave 9: Turn left into Republic Polytechnic (drop off/ pick-up point & basement carpark)

By Bus : **TO Woodlands Interchange:** 169, 902*

FROM Woodlands Interchange TO Woodlands Ave 9:
169, 902*

FROM Woodlands Interchange TO Woodlands Ave 2:
169, 903 NR

* Bus 902
Timing: 7.30am to 10am
Days: Monday to Friday
Operational Period: During school term from weeks 1 to 13, excluding public holidays, vacation, study breaks and MUE period

By MRT: Woodlands Station (North-South Line)

 Woodlands North Station (Thomson-East Coast Line)

INAUGURAL NATIONAL OUTDOOR EDUCATION CONFERENCE 2022

ACKNOWLEDGEMENT

We would like to acknowledge and thank our partners that assist in organising/assisting in the event:

 FOREST SCHOOL SINGAPORE	 THE SPECIAL PEOPLE	 GEMS	 SAFE WATER GARDENS
 EXPONENT CHALLENGE TECHNOLOGY ASIA	 PIVOTAL LEARNING	 PIVOTAL YOUTH	 ASSOCIATION FOR CHALLENGE COURSE TECHNOLOGY
 Tanglin Trust School	 ST JOSEPH'S INSTITUTION	 Maris Stella High School (Primary)	 NORTHBROOKS SECONDARY SCHOOL
 EARLY CHILDHOOD DEVELOPMENT AGENCY	 MANDAI WILDLIFE GROUP	 ANIMAL CONCERNS RESEARCH AND EDUCATION SOCIETY	 SINGAPORE UNIVERSITY OF SOCIAL SCIENCES
			 NATIONAL UNIVERSITY OF SINGAPORE