

Programme Catalogue 2026

Explore eco-stewardship with NSS and contribute to environmental conservation. Anchored by e21CC, our programmes are designed to nurture concerned naturalists, build confidence and self-directed learning, serving as a platform to implement values-in-action projects and complement your curriculum goals.

For enquiries, please contact ningxin@nss.org.sg



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WHO IS NSS?

1954

Malayan Nature Society (Singapore Branch)

Academia/Hobby

1991

Nature Society (Singapore)

Hobby/Advocacy

2023

Nature Society Singapore

Advocacy/Stewardship

As the oldest nature conservation NGO in Singapore, by collaborating with the Singapore government, businesses, and local communities, we aim to drive policy changes, engage in conservation science, and promote sustainable practices that contribute to a greener, more resilient future for Singapore in line with global sustainability goals, in alignment with UN SDGs.

Nature Society Singapore (NSS) is also an Institute of Public Character (IPC), a country partner of BirdLife International, a country partner of eBird, and a member of International Union for Conservation of Nature (IUCN).

eBird Singapore





VISION

To be Singapore's leading advocate for biodiversity and habitats.

MISSION

Through engagement, education, advocacy and research, we inspire and enable people to take action towards a sustainable and biodiverse planet.



VALUES

Love for Nature

Empowerment

Act with Passion

Partnership

GOALS

1. Impactful conservation

2. Engaged participants

3. Competent volunteers

4. Effective administration

5. Synergistic partnerships





Singapore, as one of the world's most densely urbanized nations, faces significant environmental challenges despite its commitment to sustainability. Rapid urban development, habitat fragmentation, pollution, and climate change are all contributing to a growing loss of biodiversity and the degradation of local ecosystems. This has resulted in three major impacts on us:

Urban Heating Effect¹

In 2023, CNA has been reported that "The island is warming up twice as fast as the rest of the world, at 0.25 degrees Celsius per decade, according to the Met Service.... Singapore's maximum daily temperature could reach 35 to 37 degrees Celsius by the year 2100, if carbon emissions continue to rise at the same rate, the Centre for Climate Research Singapore has projected."

Extinction

Singapore has lost at least 35 per cent of its plant species (including undiscovered species)² in the last 200 years and lost almost half of our butterfly species³.

Fragmentation → reduced ecological resilience⁴

Fragmentation reduces the total area of available habitat, directly leading to a decline in species that require large territories. The creation of habitat edges exposes species to altered environmental conditions, such as increased predation, invasive species and microclimatic changes. Isolated populations are more prone to inbreeding, leading to reduced genetic diversity and increased vulnerability to diseases and environmental changes. Fragmentation can disrupt essential processes such as pollination, seed dispersal and nutrient cycling, leading to further ecosystem degradation.



WHY DO WE DO WHAT WE DO?

As the world becomes increasingly urbanised, we explore how people can co-exist harmoniously with nature. Singapore is well-positioned to lead this exploration as we work towards becoming a "City in Nature." Currently, Singapore tops list of 17 cities with highest greenery density and is the only Asian city in the list.⁶

1. Reconnect People with Nature through nature education & citizen science²

Childhood exposure to nature builds lasting wildlife appreciation

2. Restore Habitats & Improve Connectivity

- Although 40%_{_8} of land protected as green spaces, <0.2% primary forest remains_{_9}
- · Active restoration is critical

3. Protect Remaining Green & Blue Spaces

- Not anti-development, but pro-future
- Preserve natural areas so future generations can decide their value

As one of the most developed nations in Asia, Singapore has an opportunity and responsibility to set an example for sustainable urban development, conservation, and environmental stewardship. **Singapore can be the role model to showcase a city in nature and a city for nature.** As we work towards this dream, we also align our work with the following UN SDGs:

SDG 11: Sustainable Cities and Communities, which aims to provide universal access to green spaces and protecting our natural heritage.

SDG 13: Climate Action, which calls for urgent action to combat climate change and its impacts, including ecosystem resilience and reducing temperature in cities.

SDG 14: Life Below Water, aimed at conserving and sustainably managing oceans, seas, and marine resources. Singapore's coastal and marine ecosystems, including coral reefs and mangroves, are threatened by rising temperatures and pollution.

SDG 15: Life on Land, which seeks to protect, restore, and promote the sustainable use of terrestrial ecosystems. Singapore's ongoing urban expansion and land reclamation have led to the loss of valuable natural habitats, such as forests, wetlands, and coastal ecosystems.



Programme Overview

Discover Our Programmes for Schools

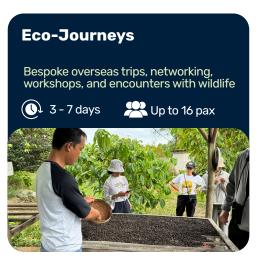
Nature Society Singapore (NSS) offers a wide range of programmes that spark curiosity, build knowledge and nurture a love and concern for the natural world. From hands-on field experiences to talks, we empower students of all ages as well as educators to explore biodiversity and take meaningful action toward environmental conservation, nurturing nature advocates with a deep sense of civic responsibility.















LEGEND















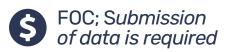


ABOUT

NSS Every Singaporean a Naturalist (ESN)









What will you gain?

Schools

NSS ESN provides hands-on opportunities for schools to partake in eco-stewardship. It is designed to build the capacity and competency of its participants and create platforms to turn their knowledge and skills into action. As part of the programme's Urban Biodiversity Monitoring, participants will head outdoors to learn and reconnect with nature while contributing to conservation and science!

Tertiary Institutions

Participants

NSS ESN supports the following United Nations Sustainable Development Goals (UN SDGs) by:

- 1. **Increasing awareness** of Singapore's rich biodiversity. (SDG 11)
- 2. **Collecting long-term data** to better understand and protect our natural environment. (SDG 13 & 15)
- 3. **Developing advocates** for nature conservation. (SDG 11)

Discover Nature. Make a Difference.

Every Singaporean a Naturalist (ESN), NSS's flagship citizen science and nature education programme, aims to nurture participants' hearts and minds for nature!





Want to learn more? Check out these posts:

- NSS ESN 4th Biodiversity Race 2025 - Highlights
- A Year with ESN (2024)
- NSS ESN 3rd Symposium 2024 Highlights

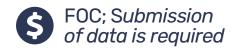


ABOUT

NSS Every Singaporean a Naturalist (ESN)









Aligned with the MOE academic calendar, NSS ESN is a year-long programme that comprises:

S/N	Component	Requirement	Tentative Period
1	Teacher Training	Mandatory	Week after Term 4 Week 10
2	Student Training	Mandatory	Term 1 and/or Term 2
3	Urban Biodiversity Monitoring	Mandatory	Year-long fortnightly 20-minute monitoring (or a minimum of 10 such monitoring sessions)
4	Skills Achievement Programme	Optional	Year-long with submission by Term 3 Week 10
5	Guided Walks & Workshops for Teachers	Optional	March and September Holidays
6	Annual Biodiversity Race (Count towards LEAPS 2.0 Framework; Read more on StraitsTimes!)	Optional	First Wednesday of June Holidays
7	Annual Symposium	Mandatory	Term 4 Week 8

Important Note: Co-sponsored by Mandai Nature, NSS ESN is currently a free programme for interested schools. In return, schools **are expected to** contribute invaluable data from a minimum of 10 Urban Biodiversity Monitoring sessions each year.

Keen to find out more? Email us at esn@nss.org.sg!



ABOUT Invasive Species Management (ISM)









Join our **Invasive Species Management (ISM)** and take action against the spread of the Zanzibar Yam (*Dioscorea sansibarensis*) – a fast-growing invasive vine that smothers native vegetation and disrupts our forest ecosystems.

This hands-on activity gives participants a chance to contribute directly to biodiversity conservation while learning about the broader threats posed by invasive species. Guided by our experienced facilitators, you'll gain insights into how these species spread and the importance of early removal.



Want to learn more? Explore **this reel** and find out!

What will you gain?

This programme offers a unique team-building opportunity that aligns with environmental and sustainability goals. Your involvement supports our conservation work while nurturing a sense of stewardship and shared responsibility for protecting Singapore's rich natural heritage.

Participants will also contribute to a citizen science component by helping us to record visuals of the growth of the Zanzibar Yam which will be used as data for a long-term research project. Guided by our facilitators, they will explore how invasive species spread and why early removal is so important. The programme encourages teamwork, builds responsibility, and fosters stewardship, inspiring young people to care for Singapore's natural heritage – one vine at a time.



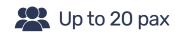


- 1. Increasing awareness of Singapore's rich biodiversity. (SDG 11)
- 2. **Collecting long-term data** to better understand and protect our natural environment. (SDG 13 & 15)
- 3. **Restoring forests** to improve resilience against climate change, contribute to carbon sequestration, and improve ecological stability. (SDG 13)



ABOUT Invasive Species Management (ISM)









Note: Date & time are subject to first come-first serve basis.



Session 1: 29 January (Thu)

Session 2: 26 February (Thu)

Session 3: 19 March (Thu)

Session 4: 23 April (Thu)

Session 5: 17 June (Wed)

Session 6: 15 July (Wed)

Session 7: 9 September (Wed)

Session 8: 7 October (Wed)

Session 9: 5 November (Thu)

Session 10: 9 December (Wed)







ABOUT Coastal Clean-up









Take action for the environment with a hands-on Coastal Clean-up at Sembawang Beach. Participants will experience first-hand the state of our shoreline as they collect, sort, and weigh the different types of trash found along the coast. The programme includes a follow-up session, where students will reflect on their experience through a presentation or fundraiser, deepening learning and extending their impact.

What will you gain?

Beyond improving the beach environment, this activity raises awareness of marine debris and its impacts, while empowering participants to make a tangible difference.

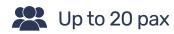
Suitable for all fitness levels, this activity enables your organisation to make tangible conservation impact while inspiring employees to champion sustainability and positions your organisation as an active steward of nature and heritage.

- 1. Reducing marine litter and pollution in order to protect coastal and marine ecosystems. (SDG 14)
- 2. Enhancing natural spaces and contributing to sustainable, liveable communities. (SDG 11)
- 3. Strengthening ecosystem resilience and promotes community-led climate action through cleaner, healthier habitats. (SDG 11)



ABOUT Coastal Clean-ups











As part of the Pulau Ubin Heritage and Nature Stewardship Experience, NSS offers educators a holistic experience that blends hands-on action with cultural and environmental education. By joining the Coastal Clean-up at Pulau Ubin, participants will travel by van to multiple sites to partake in a focused 45-minute clean-up that prevents marine debris from polluting ecosystems.

What will you gain?

Beyond action, participants will gain insight into biodiversity conservation concepts and concerns, from flyways and habitats to biodiversity niches and nature's resilience, while also learning about island life past and present.



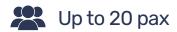
Want to learn more? Explore this reel and hear from a participant!

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- 2. Enhancing natural spaces and contributing to sustainable, liveable communities. (SDG 11)
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ABOUT Forest Clean-up









Forest Clean-up @ Pulau Ubin

As part of the Pulau Ubin Heritage and Nature Stewardship Experience, NSS offers educators a holistic experience that blends hands-on action with cultural and environmental education. By joining the Forest Clean-up at Pulau Ubin, participants make tangible contributions to conservation while engaging in a meaningful outdoor experience. Teams will collect litter along a 2 km guided trail while learning about global biodiversity and environmental challenges, and their local impacts. Participants will gain a deeper understanding of critical issues such as invasive species, habitat loss, and climate change.

What will you gain?

This hands-on programme equips participants with practical knowledge for championing sustainability in their lives. The programme provides rich opportunities for wildlife encounters, and fosters pride in preserving Singapore's natural heritage. It will help inspire participants to champion sustainability and positions them as an active steward of nature and heritage.



Want to learn more? Explore **this** reel and hear from a participant!





- 1. Removing waste from forests to prevent habitat degradation and safeguarding biodiversity. (SDG 15)
- 2. Enhancing natural spaces and contributes to sustainable, liveable communities. (SDG 11)
- 3. Strengthening ecosystem resilience and promotes community-led climate action through cleaner, healthier habitats. (SDG 11)



ABOUT Eco-Journeys





Up to 16 pax



Refer to next page











- Bintan Eco-Journey Pt 1
- Bintan Eco-Journey Pt 2
- Bintan Eco-Journey Pt 3

What is an Eco-Journey?

The **Eco-Journey** is an overseas immersive learning experience designed for educators and students. It includes:

- Visits to nature conservation sites
- Interactions with local communities, schools and champions
- · Nature-based experiences with chance wildlife encounters
- Guided workshops and reflections



What will you gain?

Eco-Journeys harnesses NSS' partnerships with regional communities and NGOs to create a thoughtful and transformative iourney into environmental sustainability for educators and students. Anchored by e21CC, Eco-Journeys are designed to provide a platform for educators and students to gain an insightful overseas experience, build meaningful partnerships, and deepen the stewardship towards environment!

- 1. Protecting biodiversity through visits to conservation sites and wildlife encounters. (SDG 15)
- 2. **Supporting marine conservation** through mangrove restoration works. (SDG 14)
- 3. Building capacity in environmental sustainability nature-based solutions. (SDG 11)



ABOUT Eco-Journeys



3 days - 1 week



Up to 16 pax



Refer below

Eco-Journey (Bintan)







Refer below

\$1,200 per pax*

Eco-Journey (Bintan) is a 3D2N programme that allows educators and students to experience the following:

- 1) Mangroves and carbon credits: Explore how the mangroves intertwine nature with culture. Experience the wilder mangrove forests, and get involved in mangrove restoration through planting activities.
- 2) Citizen advocacy in species recovery: Discover how citizen science and advocacy help protect the endangered Bintan Langur and find out what actions can be taken to support the local community in protecting this species.
- 3) Nature-based food sustainability: Learn how the local community use nature-based solutions that leverage ecological relationships to produce food, support biodiversity, and sustain livelihoods.

Educator's Run 1: 13-15 March 2026 (Fri-Sun) Educator's Run 2: 4-6 September 2026 (Fri-Sun)

Eco-Journey (Sepetang, Malaysia)







Eco-Journey (Sepetang, Malaysia) is a 5D4N programme that allows educators and students to experience the following:

- 1) Mangrove and silviculture: Explore one of the world's oldest examples of sustainable mangrove silviculture at Matang Mangrove Forest Reserve and see how forest science, ecology, and community livelihoods are integrated.
- 2) Circular economy and community empowerment: Discover how local communities repurpose mangrove and charcoal by-products into crafts and livelihoods, while empowering women, youth-at-risk, and low-income groups.
- 3) Forest restoration and succession: Learn how forests regenerate through tree planting and natural succession at the Forest Research Institute Malaysia (FRIM), and connect these lessons to Singapore's One Million Trees movement.

Educator's Run: 20-24 June 2026 (Sat-Wed)









1 month notice

Face-to-face or





\$250/hour

virtual

Our engaging talks bring Singapore's biodiversity and conservation journey directly to you, connecting participants to the natural world and introducing them to the challenges faced. Covering themes from conservation history and advocacy, to the roles and importance of urban wildlife, these sessions offer diverse entry points into understanding and appreciating nature. Each talk is designed to spark curiosity, build knowledge, and inspire participants to see their role in shaping a more sustainable future.

List of NSS Talks



Introduction to Nature Society Singapore

This talk introduces Nature Society Singapore (NSS) and the conservation work we champion. Participants will gain insight into the organisations journey as they are brought through our history, mission, and past work that have shaped who we are today. The session also explores the status of conservation in Singapore within both national and international contexts, highlighting the benefits of healthy ecosystems and the consequences of their loss. By showcasing NSS's current initiatives, the talk deepens participants' understanding of our role and while also inspiring meaningful contributions to conservation.



Conservation Stories of Singapore

With decades of history, NSS has played a vital role in the nation's conservation landscape. This talk shares key stories from the society's journey in advocating for nature amidst rapid development. From the milestones achieved to the challenges faced, these accounts highlight the complexities of conservation in our city-state. Alongside these stories, participants will also be introduced to NSS's current initiatives, showing how conservation continues to evolve with changing times.



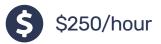












List of NSS Talks



Discovering Nature through Citizen Science

This talk introduces the exciting world of citizen science, where anyone can contribute to scientific research through observation and data collection. Participants will learn what citizen science is, why it matters for conservation, and how it is carried out. The session will showcase practical examples from NSS's key programmes, highlighting how anyone can contribute to a greater understanding of our local biodiversity. With these examples, this talk aims to encourage active contributors to Singapore's biodiversity knowledge.





Cities thrive not only on infrastructure and innovation but also on the resilience of the natural world. Insects, often overlooked, play vital roles in pollination, nutrient cycling, and maintaining ecosystem balance even within urban environments. This talk explores how these tiny yet mighty creatures adapt and coexist alongside humans, highlighting their importance for biodiversity, climate resilience, and sustainability. Participants will gain insights into managing common encounters with insects in urban spaces, identifying key insect groups, and adopting an ecological lens when observing them. Participants will also learn to cultivate healthy curiosity and appreciation for these remarkable allies in sustainability.







Throughout the year



1 month notice



Face-to-face or virtual



\$250/hour

List of NSS Talks



Singapore's Urban Wildlife: Coexisting in a City in Nature

Singapore is home to an incredible range of wildlife, from otters and Asian Koels to long-tailed macaques and bats—many of which thrive alongside us in our urban spaces. This talk introduces participants to the fascinating diversity of animals that share our city and highlights the lessons they offer for harmony, coexistence, and sustainability. Participants will gain practical insights on recognising and managing encounters with wildlife, appreciating their ecological importance, and fostering mindfulness in everyday interactions with nature. Beyond awareness, the session encourages personal enrichment and fresh perspectives, helping participants reconnect with their environment and build awareness that fosters personal balance and ecological stewardship.

Birds in Our Midst: Discovering Our Feathered Neighbours



Birds are all around us and play important roles in keeping our environment healthy, but we often overlook them in our busy lives. This talk introduces participants to the variety of birds found in Singapore and explains why they are essential for ecosystems and people. Through stories and examples, participants will learn how birds help pollinate plants, spread seeds, and control pests. The session also explores practical ways participants can help birds thrive in their schools, neighbourhoods, and beyond, inspiring curiosity, observation skills, and a deeper appreciation for the natural world.









Up to 20 pax





Reconnect with nature through our guided nature walks, designed to inspire fresh perspectives while exploring Singapore's green spaces. Led by experienced guides, participants will discover the rich biodiversity of each habitat, from mangrove wildlife to forest ecosystems, while learning about their socioecological importance, conservation challenges, and practical ways that they can contribute to environmental protection.

List of NSS Walks



Habitats and Heritage at Lornie Trail (2 hrs)

Discover Lornie Trail through a guided walk, bringing participants through the recreational park and secondary forest just along the reservoir. This session introduces the rich natural heritage of these spaces including resident flora and fauna, unique ecosystem functions, and past land use. Participants will also learn about the pressures these habitats face, conservation efforts, and practical ways individuals can contribute to environmental protection. By experiencing nature first-hand, the walk aims to nurture environmental awareness and inspire care for such nature spaces





Step outdoors on a guided walk through Pasir Ris Mangrove Park, where participants will explore Singapore's unique mangrove habitat. The walk introduces the fascinating adaptations of its flora and fauna and the vital ecological functions, aiming to foster a deeper understanding and appreciation for our mangroves. Participants will also learn about the threats that such mangrove habitats face in Singapore today, alongside practical ways they can contribute to mangrove conservation.

Exploring Plants and People at HortPark (2 hrs)



HortPark is a unique green space that serves as ecological connectivity in Singapore's fragmented landscape as well as a gardening resource hub for the public. On this guided walk, participants will be introduced to some of the park's themed gardens, exploring the diversity of plants, their uses, and the wildlife that they support. This experiential learning opportunity highlights the value of such urban green spaces, the relationships between people and nature, and practical ways to embrace greenery in our own lives.





Up to 20 pax





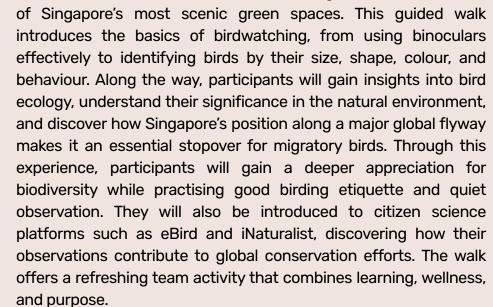
List of NSS Walks



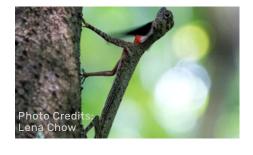


Birdwatching for Beginners at Jurong Lake Gardens / Singapore Botanic Gardens (3 hrs)

Step into nature and explore the fascinating world of birds in one







Citizen Science Walk at Windsor Nature Park (3.5 hrs)

Step into the role of citizen scientists with this immersive walk at Windsor Nature Park, where your team will collect biodiversity data that informs conservation strategies in Singapore. Beyond data collection, participants will be introduced to native flora and fauna and gain insight into a variety of conservation concepts and concerns such as the ecological roles of different species, habitat loss and degradation, the importance of nature reserves and nature parks. This hands-on experience not only enhances teamwork, observation skills, and attention to details but also positions your organisation as a champion of sustainability and an active contributor to conservation science.







Nature Society Singapore

People | Planet | Partnerships

Contact us:



www.nss.org.sg



ningxin@nss.org.sg







@naturesocietysingapore