YOUTH STEWARDS FOR NATURE 2025

Project Directory

Projects are organised into 3 main themes!
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BIODIVERSITY & WILDLIFE MEDIUM	BIO1 Rehabilitation of Mangroves in Pasir Ris Park near the mouth of Sungei Tampines
BIODIVERSITY & WILDLIFE MEDIUM	BIO3 Dragonfly Pond Project and Develop E-Guide for Southern Ridges
BIODIVERSITY & WILDLIFE MEDIUM	BIO4 Enhance and Promote Singapore's Nature Ways at Streetscape

Survey Design & Study

ANIMAL HEALTH

MEDIUM

AH2

A Poopy Problem: Understanding Parasites in Dog Poo and Designing Interventions to Encourage Owners to Pick Up After their Dogs

Design & Prototyping

URBAN GREENERY MEDIUM	UG1 Designing Nature-based Spaces in Our Parks
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BIODIVERSITY & WILDLIFE MEDIUM	BIO4 Enhance and Promote Singapore's Nature Ways at Streetscape

Community Events & Outreach

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ANIMAL HEALTH **MEDIUM**	AH1 Raising Awareness on Biosecurity Risks of Animal Smuggling Through Gamification
URBAN GREENERY **MEDIUM**	UG1 Designing Nature-based Spaces in Our Parks
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URBAN GREENERY **HIGH**	UG3 Developing Digital Content to Celebrate 20 Years of Community in Bloom (#CIB20)

Community Events & Outreach

BIODIVERSITY & WILDLIFE **HIGH**	WM1 World Wildlife Day 2025
BIODIVERSITY & WILDLIFE **HIGH**	BIO1 Festival of Biodiversity Youth Planning Committee
ALL TOPICS **MEDIUM**	BIO1 Growing Our Nature Kakis Network

Singapore's Community Cats in the Spotlight

Synopsis:
Love your community cats? Shine the spotlight on them by organising a photo competition featuring our furry neighbourhood friends and wrap it up with an exhibition showcasing the winning masterpieces. Through these initiatives, explore ways to increase the public's understanding towards community cats and their caregivers, and raise awareness on the Cat Management Framework. Wrap up the competition with a photo exhibition showcasing the winning masterpieces.

This project is for you if...

1) You are a cat-lover
2) You get a sense of achievement from executing a successful project
3) You love to bring communities together for a good cause

Roles & Commitment

LEVEL	
HIGH	Independent work • 2h weekly for planning, reaching out to stakeholders, and design work for publicity etc.
MED	Group work • 3h biweekly meetings (i.e. 1 physical and 1 virtual meeting every month)
LOW	

Special commitments
- Additional hours required to: oversee set-up of photo exhibitions at various locations, manage enquiries and social media platforms, screen through photographs submitted by youths
- Attendance at the final event for prize presentation
- Crisis management if required

Singapore's Community Cats in the Spotlight

Project Details

Project Background	Community cats can be found living amongst us, cared for by community cat caregivers. However, community cats are not always welcomed or accepted by residents. This can lead to conflicts between people and put community cats at risk.
	Relevant data on cats-related feedback, Cat Management Framework, Living in Harmony with Community Cats, AVS Animal Welfare Group Partners
Project Significance	As we work towards being a City in Nature, this project aims to promote harmonious living with community cats by showcasing the positive sides of community cats – including the people who care for them.

Learning Objectives & Core Skillsets	**Hard skills:** project management, marketing (for publicity), basic design and copywriting, data analysis, content creation **Soft skills:** communication, problem-solving, teamwork, time management
Project Deliverables	Photo competition and corresponding photo exhibition, increasing public's understanding towards community cats and their caregivers and raising awareness on the Cat Management Framework

1	2	3	4	5
GUIDED Greater structure with more defined requirements and guiding constraints			**EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes	

Project Timeline

In the planning stage, judges and sponsors would need to be secured hence more time and commitment might be needed for meetings. By Jun 2025, the competition should commence to appeal to students who are having their school holidays for their participation.

YSN Opening | Midpoint Check-in | YSN Closing

CONCEPTUALISATION	PLANNING	EXECUTION	CONCLUSION
Feb'25	Mar'25 – May'25	Jun'25 – Aug'25	Sep'25

Raising Awareness on Biosecurity Risks of Animal Smuggling Through Gamification

Synopsis:
Learn about existing biosecurity measures to mitigate the disease risks associated with animal smuggling, involving a guided tour of the Animal Quarantine Centre. Develop outreach tool(s) with gamification elements to raise awareness on the biosecurity risks and animal health/welfare issues related to animal smuggling, with the aim of launching the tool(s) at a large-scale pet event, such as Asia Cat Expo 2025 (tentative).

This project is for you if...

1) You have a passion for animals and are interested to learn about why biosecurity is important
2) You want to connect with like-minded individuals in addressing important animal health and welfare issues
3) You are looking to gain experience in community engagement and outreach

Roles & Commitment

LEVEL	
HIGH	Independent work • 1-2 hours per week of independent commitment e.g., brainstorming ideas, development of outreach game • Flexibility of sharing ideas through email, WhatsApp/Telegram etc.
MED LOW	Group work • Monthly meetings, mix of in-person (for key milestones) and virtual meetings. Meeting dates arranged to suit group's schedule and may include some weekends (e.g., for outreach events)

Special commitments
- One day guided tour and visit to the Animal Quarantine Centre (AQC)
- Launch of outreach game/tool at a large-scale event AVS participates in (tentatively Asia Cat Expo 2025)

Raising Awareness on Biosecurity Risks of Animal Smuggling Through Gamification

Project Details

Project Background	There has been a recent surge in the number of animals smuggled into Singapore illegally, posing significant public health threats as smuggled animals are at risk of carrying infectious diseases, such as rabies, which can spread to other animals and people. This project looks to develop outreach tool(s) with gamification elements to create an interactive experience for the public to learn more animal smuggling.
	News article on animal smuggling, news report video case study
Project Significance	By raising public awareness on the issues surrounding animal smuggling, we hope to shift public attitudes away from obtaining pets from dubious sources and promote the buying of pets from reputable and legitimate sources. Ultimately, this will safeguard Singapore against the risk of disease introduction from illegal movement of pets.

Learning Objectives & Core Skillsets	• **Hard skills:** visual communication/storytelling, game design, public engagement • **Soft skills:** creativity; communication; teamwork
Project Deliverables	Outreach game(s) to raise awareness; possible ideas include: social deduction games (e.g., Among Us, Werewolf), competitive quizzes (e.g., Kahoot/Mentimeter, etc.), family card games (e.g., Snap/Old Maid) – open to any other ideas as well!

1	2	3	4	5
GUIDED Greater structure with more defined requirements and guiding constraints			**EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes	

Project Timeline

YSN Opening | Midpoint Check-in | YSN Closing

RESEARCH & IDEATION	GAME DEVELOPMENT	PILOT ROLLOUT @ ASIA CAT EXPO 2025	POST-ROLLOUT EVALUATION & REFINEMENT
Feb'25 – Mar'25	Apr' 25 – May' 25	Jun' 25 (TBC)	Jul'25

AH2 | Animal Health | Survey Design & Study | Research & Fieldwork

A Poopy Problem: Understanding Parasites in Dog Poo and Designing Interventions to Encourage Owners to Pick Up After their Dogs

Synopsis: Calling all dog lovers to join us on an exciting mission to safeguard the health of our canine companions! Venture into Singapore's dog parks and uncover knowledge about parasites that could be affecting our furry friends by conducting a systematic faecal survey in dog parks. Harness behaviour insights on dog owners picking up poo after their dogs through surveys, and design behavioural interventions by using the behaviour change wheel.

This project is for you if...

1) You are a science buff and enjoy problem solving (i.e. data analysis, parasites, behavioural science)
2) You are comfortable working around dogs
3) You enjoy outdoors and conducting field surveys
4) You are interested in engaging people about animal health topics
5) You are keen on developing behaviour change interventions to improve animal health

Roles & Commitment

LEVEL	
HIGH	Independent work • 1-2h a week • Commitment is higher for some phases e.g., training, survey planning and implementation
MED / LOW	Group work • Once a month check-in (physical initially, virtual subsequently) • Mix of weekdays and weekends to fit the group's schedule (including mentors). Weekends may be involved for survey activities.

Special commitments
- Field work and public engagement will be required for the survey implementation
- Possible opportunity to visit a commercial animal diagnostic laboratory

AH2 | Animal Health | Survey Design & Study | Research & Fieldwork

A Poopy Problem: Understanding Parasites in Dog Poo and Designing Interventions to Encourage Owners to Pick Up After their Dogs

Project Details

Project Background	Dog runs and parks provide opportunities for dogs to socialise but may expose them to parasites in dog faeces. We would like to improve our understanding on the burden of intestinal parasite infection in dogs and behavioural enablers to encourage dog park users to clean up after their dogs. This project seeks to determine the prevalence of canine intestinal parasite infections in dogs visiting dog parks through a dog park faecal survey. We will also utilise the behaviour change wheel to investigate behavioural barriers to owners picking up after their dogs through a survey, and design interventions to encourage owners to clean up after their dogs.
	Dog parks and parasite exposure article, A guide on the COM-B Model of Behaviour, Michie S., Atkins, L. and West, R. 2014. The behavioural change wheel: A guide to designing interventions.
Project Significance	This project informs measures to reduce the risk of exposure of dogs to parasites in dog faeces and improve hygiene in dog parks. This is aligned with our key City in Nature strategy to enhance veterinary care and animal management.
Learning Objectives & Core Skillsets	• **Hard skills:** Field survey and questionnaire design, data collection and analysis, behavioural frameworks and interventions. • **Soft skills:** Problem solving, communication, teamwork.
Project Deliverables	A report on behavioural insights and proposed interventions on dog owners cleaning up after their dogs, as well as a set of representative dog park faecal specimens for further analysis by a laboratory. You will be acknowledged for your contributions in any publications that result from this project.

1	2	3	4	5

GUIDED
Greater structure with more defined requirements and guiding constraints

EXPLORE
Greater flexibility and freedom to explore and co-develop outcomes

Project Timeline

Survey design and data collection phases (Phases 1 and 2) will likely have higher commitment.

YSN Opening | Midpoint Check-in | YSN Closing

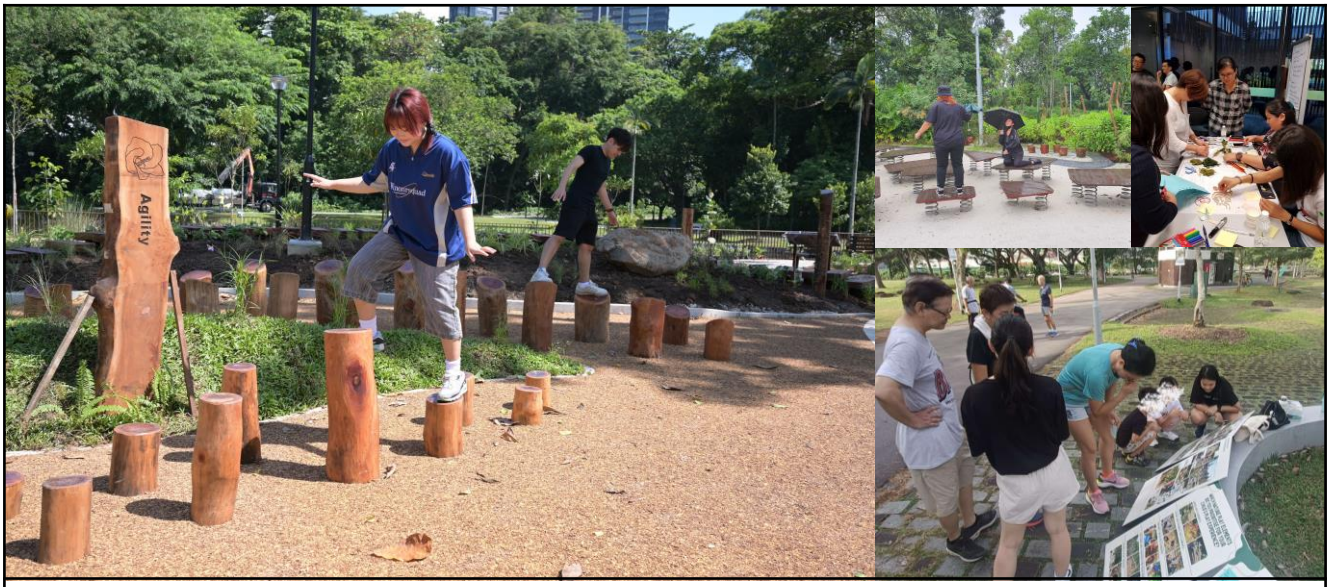
TRAINING & SURVEY DESIGN
Feb'25 – Mar'25

DATA COLLECTION
Apr'25 – Jul'25

DATA ANALYSIS
Aug'25 – Sep'25

EVALUATION & REPORTING
Sep'25

Designing Nature-based Spaces in Our Parks



Synopsis: Explore local parks and gardens to learn how to design nature-based spaces. Partner with in-house NParks Landscape Architects to experience real projects and take part in Design Charettes to brainstorm ideas for nature-based play spaces. Take this chance to learn the basics of creating a conceptual plan to create a naturalistic-themed garden and utilize basic software to digitalize ideas. Showcase ideas to Landscape Architects and members of public to garner feedback on their preferred design!

This project is for you if...

1) You are eager to understand a designer's thought process before creating a space
2) You take pleasure in designing for the community
3) You have an interest in designing nature spaces based on evidence

Roles & Commitment		
LEVEL HIGH		Independent work • 1h weekly for design development (3 sessions) • Preparation for internal design evaluation (min. 2h) • Preparation for public feedback (min. 2h)
MED LOW		Group work • 3h physical or office meetings fortnightly • 2 site visits (3h each) • Preparation for public feedback (min. 2h)

Special commitments
- 3h (AM) and 3h (PM) public feedback collection on 1 weekend
- Weekends may be needed for both independent and group work

Designing Nature-based Spaces in Our Parks

Project Details	
Project Background	Understanding what to consider when designing nature-based spaces or landscapes using evidence-based approach, combined with horticultural and material knowledge
	Sharing examples of design development and experiences from various in-house Landscape Architects Visiting successful nature-based play spaces in Singapore Understanding considerations for plant and material selection
Project Significance	This project brings awareness of the importance human-nature interactions, and the youths will be able to learn and equip themselves with knowledge and experiences to design functional spaces that encourage interactions between people and nature.

Learning Objectives & Core Skillsets	• **Hard skills:** basic drawing of plans & using AI (AutoCAD, Photoshop if interested) • **Soft skills:** idea communication, public feedback engagement
Project Deliverables	Design concept, layout plan, schematic planting plan, schematic material plan, public engagement for the proposed design.

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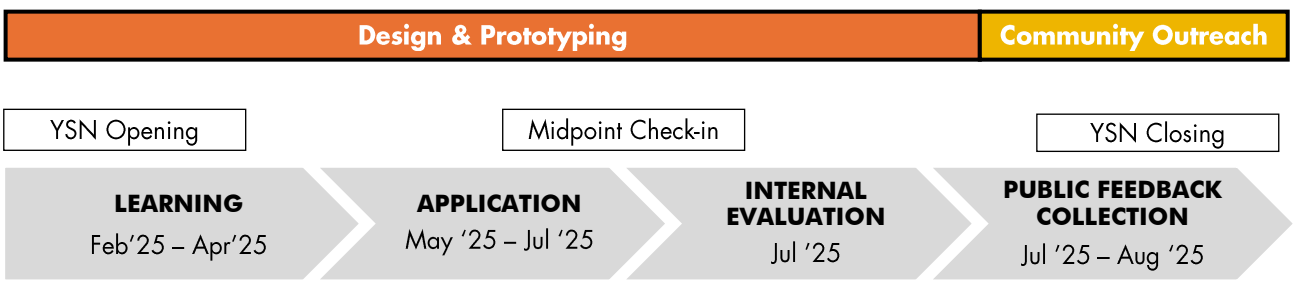
Project Timeline



Design and Conduct a Heritage Trees Trail Tour

Synopsis: Create a new Heritage Tree trail and conduct a guided tour to tell the stories behind the Heritage Trees of Singapore. Raise awareness and appreciation of Heritage Trees in Singapore through the development of a new Heritage Trees walking trail for facilitated and self-guided exploration to highlight Heritage Trees in relation to their place in Singapore's natural history, and their unique botanical, social, cultural significance. You will also conduct a pilot guided tour for the developed trail for the public at the end of the project.

This project is for you if...

1) You are passionate about trees and the natural history of Singapore
2) You enjoy learning and sharing about nature and the environment
3) You are interested in story-telling and science communication

Roles & Commitment

LEVEL	
HIGH	<u>Independent work</u> • 1-2h per week for own research/planning/design
MED LOW	<u>Group work</u> • 0.5 -1h virtual meeting or 2h physical meeting once every month on common available timing (for progress updates)

<u>Special commitments</u>
- 4-6h for site-recce
- 2-3h for dry run
- 3-4h for pilot guided tour on a weekend

Design and Conduct a Heritage Trees Trail Tour

Project Details

Project Background	Heritage Trees are just one of the ways that we protect mature trees as we transform Singapore into our City in Nature. Amidst the changing and developing landscape of Singapore, these mature trees serve as important green landmarks and help us to stay rooted to the place we call home. You will identify an area in Singapore to develop a Heritage Trees walking trail and learn to share their significance through story-telling.
	Heritage Tree website, Heritage Trees of Changi DIY trail guide (PDF) Heritage Trees of Chinatown DIY trail guide (PDF)
Project Significance	There are currently 5 established Heritage Trees walking trails in Singapore. There is potential to explore and develop more walking trails to increase public awareness and appreciation of the unique stories behind these special trees that have withstood the test of time.
Learning Objectives & Core Skillsets	• **Hard skills:** plant identification, outreach activity planning & management, visual communication/graphic design • **Soft skills:** public engagement, science communication, story-telling
Project Deliverables	Heritage Trees DIY walking trail guide (brochure format, e-copy), guiding notes & script for a facilitated Heritage Trees guided tour.

1	2	3	4	5
GUIDED Greater structure with more defined requirements and guiding constraints			**EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes	

Project Timeline

Periods that will likely require higher commitment are planning and execution phases, which includes crafting the route, and preparation of guide materials, dry runs and conducting the pilot tour.

Survey Design & Study | **Community Events & Outreach**

YSN Opening | Midpoint Check-in | YSN Closing

RESEARCH & FEASIBILITY	PLANNING	EXECUTION	POST-TOUR DEBRIEF
Feb'25 – Apr'25	May'25 – Jun'25	Jul'25	Aug'25

Developing Digital Content to Celebrate 20 Years of Community in Bloom (#CIB20)

Synopsis:
Calling all young digital storytellers and aspiring content creators! Join us in celebrating 20 years of NParks' Community in Bloom programme by crafting engaging digital content about our vibrant community gardens. Produce short-form videos and visual stories, showcasing the beauty and impact of these community green spaces while honing your digital media skills.

This project is for you if...

1) *You are comfortable with interviewing people, such as members of public and gardeners at various community gardens, from diverse backgrounds
2) *You have a background in mobile photography or videography which you are keen to apply to transform conversations and interviews into engaging digital content
3) You are passionate about horticulture and community gardening and are excited to share its stories

Roles & Commitment

LEVEL		
HIGH		Independent work • 4-6h weekly for tasks such as: (a) research on assigned community gardens, (b) editing and organising collected content (photos, videos, notes), (c) writing article drafts or video scripts, (d) editing videos or creating visual stories e.g. Instagram posts and reels
MED LOW		Group work • Fortnightly 2-3h team meetings on weekday evenings to: (a) discuss progress and share ideas, (b) collaboratively brainstorm for content themes/ideas, (c) collaboratively edit and review each other's work and finalise content. Timing and venue (physical/virtual) for the meeting can be adjusted according to everyone's availabilities.

Special commitments
• Group visits to community gardens to conduct interviews and gather information: 8-10 hours per month (at least four gardens a month; estimated frequency of 1 garden visit per week on mornings or evenings of weekdays and potentially weekends)

Developing Digital Content to Celebrate 20 Years of Community in Bloom (#CIB20)

Project Details

Project Background

The Community in Bloom (CIB) programme, initiated in 2005, is a nationwide gardening initiative that encourages and supports community gardening. As CIB approaches its 20th anniversary in 2025, you will play a crucial role in celebrating this milestone. You will interview gardeners and visitors of select community gardens, translating their stories into engaging digital content such as videos and visual narratives.
Your work will showcase the programme's positive impacts on community bonding and urban greenery over the past two decades, inspiring more Singaporeans to get involved in community gardening.

Community in Bloom website

Project Significance

Your digital content will cultivate appreciation for the community's urban greening efforts by highlighting the value of community gardens as a platform to increase urban greenery and facilitate social cohesion. You will also contribute to Singapore's vision of becoming a City in Nature by inspiring more community involvement in urban greenery initiatives.

Learning Objectives & Core Skillsets

- **Hard skills:** interview techniques and question formulation, short-form video production, photography, writing (feature, descriptive, narrative)
- **Soft skills:** creative thinking, cross-generational communication, teamwork, storytelling

Project Deliverables

Content plan, interview template and transcripts, monthly submission of various content i.e. short-form video, written articles, photo series.

1	2	3	4	5

GUIDED
Greater structure with more defined requirements and guiding constraints

EXPLORE
Greater flexibility and freedom to explore and co-develop outcomes

Project Timeline

- Orientation: visits in Feb'25, part of the orientation phase, will provide you with a better understanding of the CIB programme and potential interviewee demographic.
- Interviews & Content Creation: there will be regular garden visits to conduct interviews, with an expected increase in frequency of garden visits (at least 8 gardens per month) between Apr'25–Jun'25 (3 months) to complement planned campaigns. Materials gathered from the weekly interviews will be used for the creation of content, submitted and reviewed on a monthly basis.

YSN Opening

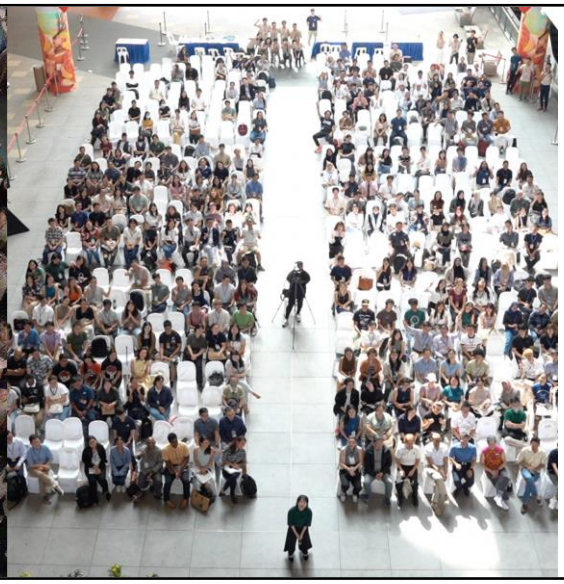
Midpoint Check-in

ORIENTATION	INTERVIEWS & CONTENT CREATION	EVALUATION & FEEDBACK
Feb'25	Feb'25-Jul'25	Jul'25

World Wildlife Day 2025

Registration for this project **has closed**.

An earlier open call was held in Aug 2024 to meet its event planning timeline. You may find out more about WWD here.



Synopsis: Anchor and grow the youth conservation network in Southeast Asia. Connect the youths of Southeast Asia with peers, mentors and role models in the wildlife conservation sector. Encourage environmental stewardship so as to protect nature for future generations. Raise international awareness of innovative pratices for nature conservation in Southeast Asia. In line with World Wildlife Day 2025's theme of "Wildlife Finance: Investing in People and Planet", we aim to connect youth projects from the region with potential funders, partners and opportunities to create tangible impacts.

This project is for you if...

1) You enjoy running conservation/nature-related events and helping to grow the youth conservation network
2) You are passionate about wildlife and biodiversity conservation and helping to grow the youth conservation network in Southeast Asia
3) You want to learn from and make meaningful connections with youths, mentors and role models in the wildlife conservation sector across Southeast Asia

Roles & Commitment

LEVEL	
HIGH	Independent work • Flexible time and frequency for different tasks
MED LOW	Group work • Committee meetings at least once a month, sub-committee meetings dependent on individual sub-committee arrangements. Flexible with weekday/weekends, physical and online arrangements

Special commitments
- Full day event on 1 or 2 Mar 2025 (World Wildlife Day)
- Dry run 2-3 weeks before event

World Wildlife Day 2025

Registration for this project **has closed**.

An earlier open call was held in Aug 2024 to meet its event planning timeline. You may find out more about WWD here.

Project Details

Project Background	World Wildlife Day (WWD) celebrates biodiversity around the world and commemorates the first signing of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) on 3 March 1973. To join in the global celebrations of this, the World Wildlife Day Regional Youth Symposium was conceived by NParks, the appointed CITES Management Authority of Singapore, to put a spotlight on Southeast Asian biodiversity. The event is put together by youths under the NParks' YSN programme, for youths in Southeast Asia.
	World Wildlife Day, WWD2024 Post-Symposium Report
Project Significance	The WWD Regional Youth Symposium brings together young people and youth-led projects from across Southeast Asia, a region recognised as one of the world's most threatened biodiversity hotspots. The symposium aims to positively impact youths from Singapore by exposing them to role models, existing efforts, challenges and initiatives surrounding wildlife conservation within the region.

Learning Objectives & Core Skillsets	• **Hard skills:** Project Management, Digital and Campaign Marketing, Stakeholder Liaison • **Soft skills:** Teamwork, Effective Communication, Organizational Skills
Project Deliverables	Organising and coordinating WWD25 in hopes that it will be the largest regional biodiversity youth symposium that aims to showcase Youth Projects and to connect over 700 regional participants.

1	2	3	4	5
GUIDED Greater structure with more defined requirements and guiding constraints			**EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes	

Project Timeline

- Onboarding & Commencement: onboarding of youths, commencing the shortlisting and onboarding of projects, confirmation of event programme and platform, commencement of event collaterals/materials
- Preparation: commence internal circulation of ZINE youth groups & subsequently to potential funding partners
- Finalisation & Dry-run: finalise programme details, conduct dry-runs of event
- WWD Event Day: actual event date (1/2 Mar'25)

Midpoint Check-in

ONBOARDING & COMMENCEMENT	PREPARATION	FINALISATION & DRY-RUN	WWD EVENT DAY
Oct'24 – Nov'24	Dec'24 – Jan'25	Feb'25	1/2 Mar'25

Rehabilitation of Mangroves in Pasir Ris Park near the mouth of Sungei Tampines

Photo / Collage

Synopsis:
Get down and dirty for a fulfilling mangroves rehabilitation project at Pasir Ris Park! Carry out field surveys (hydrology & biodiversity surveys) to learn more about the rich biodiversity of the mangroves and do some physical work which is when the fun starts. You will also have the chance to carry out ground improvement works, propagation and planting of mangrove seedlings as part of the rehabilitation efforts.

This project is for you if...

1) You enjoy the outdoors and being in the sun
2) You have a keen interest in mangrove systems
3) You do not mind being in the rain

Roles & Commitment

LEVEL	
HIGH	Independent work • Data collation and management (biodiversity surveys) – 3hrs/session, every fortnight for data analysis and management • Data collation of mangrove plants (survival rate) – 3hrs/session, every fortnight for data analysis and management
MED LOW	Group work • Survey on mangroves (biodiversity) once a week (weekday), physical participation • Implementation of rehabilitation site once a week (weekday), physical participation

Special commitments
- Biodiversity surveys: quarterly surveys to observe any improvements or changes – before and after rehabilitation throughout the year
- Survival rate of mangroves at the river mouth: monthly surveys to observe any changes in survival rate on-site

Rehabilitation of Mangroves in Pasir Ris Park near the mouth of Sungei Tampines

Project Details

Project Background	Pasir Ris Mangrove Forest, home to a thriving habitat of unique plants and animals, is a piece of nature worth exploring. Venture into the dense 6-hectare mangrove forest on the boardwalk, and get up close and personal with mud crabs, mudskippers and water monitor. The bird watching tower and look-out deck over Sungei Tampines also give birdwatchers a splendid view of a variety of birds. The mangrove forest is important because it acts as a buffer between land and sea. Apart from helping to halt erosion of the coast by breaking the strong forces of waves, it is also a haven for young animals and fish, which can hide in the dense roots.
	Pasir Ris Park nature walk DIY trail guide Independent reading on mangroves of Singapore and nature-based solutions is encouraged to understand the project better!
Project Significance	The project aims to set a restorative method which could serve as a model to be replicated at other areas with similar environmental conditions to carry out mangrove enhancement planting.

Learning Objectives & Core Skillsets	• **Hard skills:** data collection and analysis, plant/fauna identification, survey design and research • **Soft skills:** teamwork, communication
Project Deliverables	Research report, mangrove design (implementation), data collation of surveys, presentation of results

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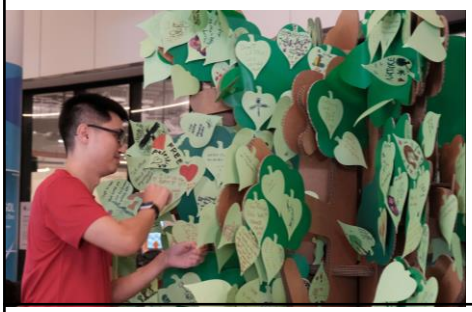
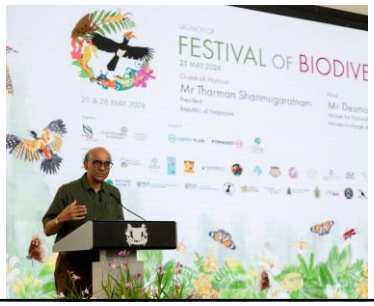
GUIDED Greater structure with more defined requirements and guiding constraints	**EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes

Project Timeline

YSN Opening | Midpoint Check-in | YSN Closing

FIELD SURVEY	SURVEY ANALYSIS	EXPERIMENTAL PLANTING
Feb'25 – Apr'25	Apr'25 – May'25	May'25 - Nov'25

Festival of Biodiversity Youth Planning Committee

Synopsis:
Join us and be part of the team organising Festival of Biodiversity 2025, the BIGGEST biodiversity festival in Singapore! Let's celebrate the International Day of Biological Diversity together! Gain hands-on experience in community outreach, event planning and execution as we look to raise awareness on native flora and fauna and biodiversity conservation efforts.

This project is for you if...

1) You are passionate about native biodiversity and conservation
2) You are excited about event planning and execution
3) You are keen to use your creative skills to engage the community about biodiversity

Roles & Commitment

LEVEL	
HIGH	Independent work • ~3-4 hours a week • Youths will be split into 3 workstreams: (1) Publicity and Volunteer Management, (2) Game Stations, (3) Video Production
MED LOW	Group work • Bi-weekly meetings (~2 hours, meetings may be physical based on need)

Special commitments
- Volunteer training session: 10th May (Saturday), full day
- Festival of Biodiversity: last weekend of May (Tentative), full days
- Festival of Biodiversity Appreciation Dinner: weekday night in July/August (tentative)

Festival of Biodiversity Youth Planning Committee

Project Details

Project Background	This project aims to develop skills and strategies of community outreach, including how to effectively connect and engage the community across different age groups and backgrounds, and how to communicate the significance of biodiversity conservation through different avenues. Youths will learn how to organize and execute a large-scale event, and work with volunteers and various nature groups. FoB Website, FoB Website - About FoB
Project Significance	The Festival of Biodiversity aims to create awareness about local biodiversity, empower the community to contribute to biodiversity conservation, and bring together the local nature community.

Learning Objectives & Core Skillsets	• **Hard skills:** event planning, organisation, creative design and production of collaterals, social media management, video production • **Soft skills:** community engagement, teamwork and collaboration
Project Deliverables	Publicity initiatives to increase engagement and visitorship, event volunteer training and leadership, game stations for visitor engagement, event launch video. While we have key deliverables that are required to be met, we will support creative freedom and suggested initiatives. 1 | 2 | 3 | **4** | 5 **GUIDED** Greater structure with more defined requirements and guiding constraints **EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes

Project Timeline

As the Festival is scheduled for end of May 2025, event planning and preparation in the lead up to May (~March to May) will require higher commitment from the youths.

BRAINSTORMING & DRAFTING	REVISING & FINALISING	EVENT EXECUTION	EVALUATION
Feb'25 – Mar'25	Mar'24 – Apr'25	May'25	Sep'25

- Brainstorming & Drafting: brainstorming, ideation and planning of efforts and drafting content for clearance
- Revising & Finalising: revisions to drafts and further clearance of content, finalising materials for production, filming of content for launch video, planning of volunteer training and management
- Event Execution: execution of volunteer training, presentation of launch video and execution of station games, and execution of the Festival of Biodiversity
- Evaluation: post-event evaluation and review, presenting a wrap up of the Festival at the Appreciation Dinner

Dragonfly Pond Project and Develop E-Guide for Southern Ridges

Synopsis:
Learn more about the dragonfly community residing at the Kent Ridge Park's Dragonfly Pond as your team conducts surveys to study the dragonfly population. Using your findings, design new education boards on dragonflies and make recommendations to the content in the Southern Ridges e-guide.

This project is for you if...

1) You are interested in dragonflies and damselflies
2) You enjoy photography and designing collaterals to educate the public
3) You are passionate in educating the public on nature in Singapore

Roles & Commitment

LEVEL	
HIGH	Independent work • 1-2h per week for own research/planning/design
MED	Group work • 2h biweekly meetings (can be physical or online), weekends may be required for surveys and site visits depending on participant availability
LOW	

Special commitments
- Three dragonfly surveys at Kent Ridge Park done biweekly from March'25 to April'25
- One site visit to the Southern Ridges (Mount Faber Park -> Telok Blangah Hill Park -> Kent Ridge Park) at the start of the project

Dragonfly Pond Project and Develop E-Guide for Southern Ridges

Project Details

Project Background	Dragonflies are bioindicators of aquatic habitats and population regulars of other insect species. Therefore, data collection of the dragonfly population is important to assess the health of the wetland ecosystem. The new education boards at Kent Ridge Park will incorporate the survey findings and provide visitors with updated information on the dragonfly pond. The Southern Ridges is a 10km trail in the southwest of Singapore, with a rich history and lush greenery. Your team will also update and recommend areas of interest to enrich visitors with knowledge on the heritage and biodiversity at the Southern Ridges in a e-guide, exploring findings from the dragonfly pond study.
	Dragonflies of Jurong Lake Gardens factsheet, The Dragonflies of Singapore paper, Southern Ridges e-guide
Project Significance	The project aims to promote public appreciation for dragonflies, which are an integral part of our natural heritage. It also serves to refresh some existing and outdated educational materials for the Southern Ridges.
Learning Objectives & Core Skillsets	• **Hard skills:** dragonfly/damselfly ID, visual communication/graphic design • **Soft skills:** teamwork, creativity, communication
Project Deliverables	Survey results on odonates at Kent Ridge Park, educational boards, educational information to be included in guide

1	2	3	4	5
GUIDED Greater structure with more defined requirements and guiding constraints			**EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes	

Project Timeline

Research & Fieldwork | **Design & Prototyping**

YSN Opening | Midpoint Check-in | YSN Closing

DATA COLLECTION	DATA ANALYSIS & IDEATION	DESIGN & PROTOTYPING	IMPLEMENTATION
Feb'25 – Mar'25	Apr'25 - May'25	May'25 – Jun'25	Jul'25

- Data Collection: team sharing on dragonfly ID information, site visits and conduct dragonfly survey
- Data Analysis & Ideation: consolidating survey results and prepare content for the education boards
- Design & Prototyping: designing educational boards and working on other content for Southern Ridges
- Implementation: implementation of educational boards

Enhance and Promote Singapore's Nature Ways at Streetscape

Synopsis:
Streetscape Greenery forms the green spine of our City in Nature. Learn more about the evolution of Singapore's street greenery, go behind the scenes to see the unsung work on how we landscape our roadside trees. Learn about how our Nature Ways serve as ecological corridors that connect our green spaces. You will conduct biodiversity and public perception surveys, suggest ways to improve our Nature Way, and develop new interactive ways to share about urban biodiversity found along our Nature Ways.

This project is for you if...

1) You wish to learn more about Streetscape landscaping and our urban flora and fauna
2) You wish to learn about how to conduct survey for biodiversity and public perception
3) You wish to gain hands on experience in developing an outreach programme, which includes the design and installation of new Nature Way signages

Roles & Commitment		
LEVEL HIGH		Independent work • 1-3 hour every week • Research on native flora and fauna
MED LOW		Group work • Physical meetings, conducting outreach events, public perception and biodiversity surveys. • 4-5 hours, fortnightly.

Special commitments
• Facilitate 2-3 OneMillionTree Planting events and conduct public perception surveys after.

Enhance and Promote Singapore's Nature Ways at Streetscape

Project Details

Project Background	Nature Ways are ecological corridors planted along our streets to connect Singapore's green spaces. These roads are planted with multi-tiered trees and shrubs to mimic the natural rainforest structure, which provide food and habitat sources for our biodiversity. However, the public in Singapore may not be aware of the ecological functions of Nature Ways. They may also not be receptive to the more naturalistic landscape and increased human-wildlife interactions that such landscapes facilitate. In this project, you will learn more about how our roadside greenery is developed and landscaped, and conduct surveys to understand the biodiversity and public perception of our Nature Ways. You will then propose possible improvements to our existing signages and develop possible outreach programmes and infrastructure to share more about our Nature Ways.
Project Significance	The survey data and outcomes will contribute to a larger programme of evaluating and reviewing of our Nature Way schemes, which will result in long term improvements to our Streetscape plantings. The outreach programme likely include a redesign and installation of new interactive signages, which will lead to better tangible engagement of the public with our Nature Ways and urban biodiversity.
Learning Objectives & Core Skillsets	• **Hard skills:** flora and fauna identification, biodiversity and public perception surveys, design of outreach material • **Soft skills:** community engagement, teamwork and collaboration
Project Deliverables	Biodiversity and public perception surveys, written report and presentation, outreach programme and infrastructure (e.g. interactive signages)

1	**2**	3	4	5

GUIDED Greater structure with more defined requirements and guiding constraints	**EXPLORE** Greater flexibility and freedom to explore and co-develop outcomes

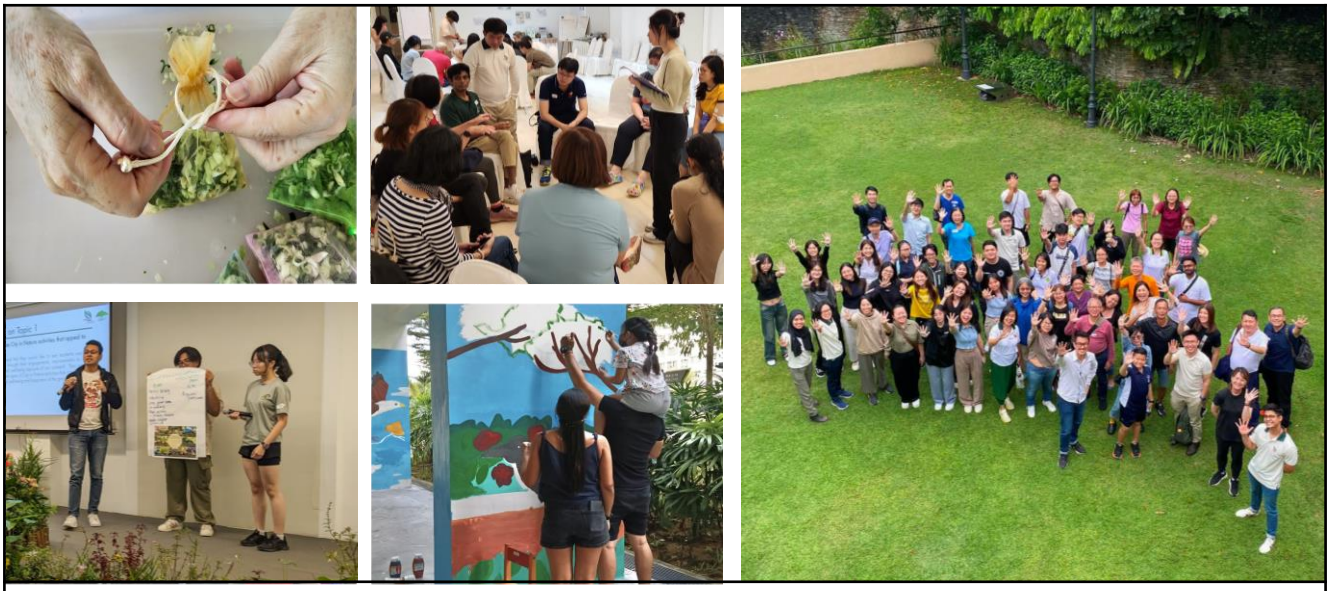
Project Timeline

YSN Opening | Midpoint Check-in | YSN Closing

BRAINSTORMING	SURVEY EXECUTION & OUTREACH DESIGN	RESULTS ANALYSIS & EXECUTION	EVALUATION
Feb'25 – Mar'25	Mar'25 – Apr'25	May'25	Sep'25

- Brainstorming: introduction to Streetscapes & Nature Ways, design and plan outreach & biodiversity surveys
- Survery Execution and Outreach Design: facilitate OneMillionTrees events, conduct outreach and biodiversity surveys, develop outreach execution plan
- Results Analysis and Execution: analyse survey results, execute outreach plan
- Evaluation: final report and presentation

Growing Our Nature Kakis Network



Synopsis: Co-develop learning journeys and resources to support the grassroots Nature Kakis Network in organising City in Nature initiatives, curated around three key themes: Community Animal Management, Biodiversity & Wildlife, and Urban Greenery. Explore creative ways to document the growth and journey of Nature Kakis chapters in various neighbourhoods, and share the impact of their initiatives with the larger Nature Kakis Network and public. Explore the role of youths in the network and chart the next phase of Nature Kakis Youth Stewards with the community.

This project is for you if...

1) You have a heart for building communities, any experience in community engagement would be helpful
2) You are keen to explore creative ways of communicating the impact of nature-based community initiatives
3) You are passionate about nature and keen to create learning resources/programmes for diverse groups

Roles & Commitment

LEVEL	
HIGH	Independent work • 1-3h/week for research, planning and design work • Members of social media workstream: 1-2h/week for digital content creation/curation and online community management
MED LOW	Group work • Monthly 2h online/physical check-ins on weekday nights or weekends, depending on the group's availability • One 2-4h mid-point physical check-in on a June weekend (tentatively 28/29 Jun)

Special commitments
- Ad-hoc 2-4 hours community engagements and events with different Nature Kakis chapters on weekends at various NParks and community venues – including 3 Learning Journeys that youths will co-develop with Nature Kakis (months indicated in 'Project Timeline' section on next page).

Growing Our Nature Kakis Network

Project Details

Project Background	The Nature Kakis initiative is a network of chapters that forms touchpoints at the heart of local communities. Chapters in each constituency self-organise and lead City in Nature projects (e.g. nature walks, therapeutic horticulture workshops), for the community and by the community, with support from NParks, PA, and other grassroots partners. Since 2023, a total of 23 chapters have been established in various neighbourhoods. In 2025, NParks aims to support the growth of the Nature Kakis Network by creating physical and virtual platforms to facilitate cross-sharing and learning across chapters on best practices in the community.
	Nature Kakis website, Instagram
Project Significance	To grow our City in Nature, community stewardship is important to drive and sustain initiatives that promote nature-connectedness and conservation.
Learning Objectives & Core Skillsets	• **Hard skills:** community engagement and development, events planning and execution, social media management, digital/creative storytelling • **Soft skills:** teamwork, communication, creativity
Project Deliverables	Learning journey admin programme (facilitation guide and emcee script), curated Whatsapp/Telegram community conversation prompts and learning resources, social media posts (reels, stories), digital publication.

1	2	3	4	5

GUIDED	**EXPLORE**
Greater structure with more defined requirements and guiding constraints	Greater flexibility and freedom to explore and co-develop outcomes

Project Timeline

Key Dates

All dates (weekends) and venues are tentative and will be confirmed closer to each event. Participation for events with an asterisk* are compulsory for all members, regardless of workstream (more details on next page).

- 24 Jan – Nature Kakis Network Learning Festival prep (@ Jurong Lake Gardens)
- 25 Jan* – Nature Kakis Network Learning Festival (@ Jurong Lake Gardens)
- 15/16 Feb* – YSN Opening & Nature Kakis Youth Stewards onboarding (@ Jurong Lake Gardens)
- March to May – Community Animal Management Learning Journey #1 (@ Boon Lay)
- May to July – Biodiversity & Wildlife Learning Journey #2 (@ Punggol)
- 28/29 Jun* – Youth Stewards mid-point check-in
- July to Oct – Urban Greenery Learning Journey #3 (@ Moulmein-Cairnhill)
- Sep* – YSN Closing Event @ Hort Park
- Jan/Feb 2026* – Nature Kakis Network Appreciation Event & Youth Stewards graduation

Growing Our Nature Kakis Network

Project Timeline

Youths will be grouped into **4 workstreams** (each with 5-10 members, including 2 workstream leads), based on their personal interests and skillsets. You may indicate your preferred workstream and interest for the role of a workstream lead during the YSN selection exercise (Dec'24 – Jan'25).

Higher commitment is expected in the 1-2 months leading up to the milestone learning journeys that each workstream is organising, which take place on weekends across the year in the various quarters. You are highly encouraged to attend/support the implementation of all three learning journeys, and required to play a core organising role for the learning journey organised by your workstream (1-3). Workstream 4 members are required to support at least one learning journey. Each workstream will have different peak periods (3-4 mths):

Workstream 1: Community Animal Management (CAM) [Mar – May]
- Research and events planning
- CAM Learning Journey #1
- Programme evaluation and wrap-up content creation

Workstream 2: Biodiversity & Wildlife (BioW) [May – July]
- Research and events planning
- BioW Learning Journey #2
- Programme evaluation and wrap-up content creation

Workstream 3: Urban Greenery (UG) [July – Oct]
- Research and events planning
- UG Learning Journey #3
- Programme evaluation and wrap-up content creation

Workstream 4: Social Media & Impact Storytelling (SM) [Feb, Aug – Sep, Dec]
- Ongoing from Jan to Dec – Content creation and social media posting
- Feb – Development of content calendar and creative/posting workflows
- 28/29 Jun* – Pitching of impact story deliverable @ Youth Stewards mid-point check-in
- 20 Sep* – Presentation of draft impact story deliverable @ YSN Closing Event
- Jan/Feb 2026 – Presentation of final impact story deliverable @ Nature Kakis Network Learning/Appreciation Event

In addition to the learning journeys, all youths are required to support the planning and implementation of the annual Nature Kakis Network Learning/Appreciation Event in Jan/Feb'26. This event also marks your cohort's official graduation, following the YSN closing event in Sep'25.

The phases of project development for each workstream can broadly be summarised as follows:
- Phase 1 – community engagement and understanding the Nature Kakis Network (throughout)
- Phase 2 – research on content and skills related to workstream/learning journey (1 month)
- Phase 3 – ideation and development of proposed deliverable(s) (1-2 months)
- Phase 4 – implementation and evaluation (1 month)

ENGAGE	RESEARCH	IDEATE & DEVELOP	IMPLEMENT & EVALUATE
Jan'25 – Dec'25	1 month	1-2 months	1 month