

Connecting with Nature: Programmes for PYP “Sharing the Planet”

Inspire curiosity, empathy, and action through hands-on learning experiences that connect students to the natural world.

These programmes are designed to complement the IB Primary Years Programme (PYP) transdisciplinary theme Sharing the Planet, supporting inquiry into how humans and other living things share resources and coexist sustainably.

	Soil and Plants	Flora, Fauna and Ecosystems	Food Systems	Waste management / Sustainable living	Water Systems	Human Impact/ Climate Change
Years 1-3	Amazing Soil	In a Small World	Field to Table	Zero Waste Solutions	<i>upon request</i>	<i>upon request</i>
Years 3-6	Forests of Lantu	On the Buffalo Trail <i>(Takes place in Pui O)</i>	Jungle Chef	Sustainable Communities	Water World	A Hot Topic

This chart is for guidance.

These programmes can be adjusted and differentiated to suit any primary year level.

We are also able to design a programme specifically to meet your needs. Please share your central idea, lines of inquiry and any learning outcomes you want to achieve and we will accommodate!



Programme Details (Suggested Year Levels 1-3)

Programme Name	Description	Sample activities	Main connections to STP	Related skills and concepts
Amazing Soil	Students will embark on a journey to investigate the amazing characteristics and benefits of soil. They will cultivate lifelong skills, nurture their bond with nature and gain a holistic perspective on the intricate web of life.	Different composting techniques, Setting up gardens, Companion planting, Making worm farms, Soil experiments	Resources & Sustainability, Interdependence	Critical Thinking, Application of Knowledge, Collaboration, Organisation, Planning
Field to Table	Through hands-on activities, students will learn about the journey of food, understanding the processes it undergoes and the importance of making sustainable and healthy choices.	Composting, companion planting, Harvesting, Cooking a snack from the garden	Resources & Sustainability, Rights & Responsibilities:	Healthy Lifestyle, Informed Choices, Independence, Responsibility
In a Small World	Through engaging explorations and hands-on activities, students will develop a deeper understanding of the fascinating creatures that inhabit our ecosystems while fostering a sense of curiosity, scientific inquiry, and environmental appreciation.	Nature Walk and Exploration, Biodiversity Survey/Scavenger Hunt, Netting in the stream, Butterfly Walk, Habitat Discovery	Interdependence, Human Impact	Observing and Analysing, Curiosity, Formulating Questions, Critical Thinking, Creative Thinking
Zero Waste Solutions	Through engaging activities that promote environmental stewardship and critical thinking, students will develop an understanding of waste and waste management systems. They will leave with practical solutions that they can implement in their homes and at school.	Sorting materials, Differentiating between recyclable and non recyclable items, Exploring solutions to reduce waste, Eco House scavenger hunt, Upcycling/making eco products	Resources & Sustainability, Human Impact, Rights & Responsibilities:	Responsibility, Informed Choices, Problem Solving, Creative Thinking, Taking Action, Self Awareness



Programme Details (Suggested Year Levels 3-6)

Programme Name	Description	Sample activities	Main connections to STP	Related skills and concepts
Forests of Lantau	Through a range of engaging activities, students will develop a deeper understanding of the importance of preserving ecosystems, restoring balance to the environment, and fostering biodiversity for a sustainable future.	Hiking, Native Tree Planting/Maintenance, Species Identification, Soil Building, Wellness	Interdependence, Human Impact, Resources & Sustainability	Critical Thinking, Observation and Analysis, Responsibility, Taking Action, Resilience
On the Buffalo Trail	In this immersive programme, students will develop a deep appreciation for the interconnectedness of all living things and their environments. Through engaging activities and contextual learning, they will get a better understanding of the significance of preserving endangered species and importance of sharing land.	Species Tracking and Exploration (Buffaloes, Birds and more), Ecosystem Investigations (Wetlands, Mangroves, Beach), Story of the Lantau Buffalos and Local Conservation Efforts	Interdependence, Resources & Sustainability, Human Impact	Community Engagement, Advocacy and Action, Observation and Data Collection, Environmental Stewardship
Jungle Chef	This programme offers a fun, hands-on way to learn about sustainable food and strengthen teamwork. Through a mix of practical learning, guided reflection, and shared experiences, students explore how food choices affect personal health and the climate—while gaining practical ideas for making food systems more resilient, waste-conscious, and community-focused.	Permaculture introduction and discussion, Building Fire, cooking on fire, Team cooking challenge, harvesting, learning about local organic food, food system solutions (composting, planting)	Resources & Sustainability, Human Impact	Critical Thinking, Problem Solving, Making Inferences, Decision making, Collaboration, Responsible Choices



Programme Details (Suggested Year Levels 3-6)

Programme Name	Description	Sample activities	Main connections to STP	Related skills and concepts
Sustainable Communities	Students will embark on a hands-on journey around the rural township of Mui Wo. By the end of the day, students will emerge as a champion for sustainable living, armed with practical knowledge and a deeper understanding role we play in preserving our planet.	Low Carbon living, Community Composting Scheme, Community Waste Reduction Scheme, Visiting Local Organisations and shops that follow a sustainable living ethos	Rights & Responsibilities, Resources & Sustainability	Observation and Analysis, Self Awareness, Reflection, Problem Solving, Collaboration, Maps and Following Directions
Water World	Students will embark on an educational journey to explore the fascinating world of water. Through a series of engaging activities students will become conscious water stewards, empowered to make a positive impact on the environment and promote sustainable water management practices.	Water system observations (a walk through Mui Wo), Embedded Water Footprint relay, Water reuse & Grey Water System Build, Stream Ecosystem Exploration, Making water filters	Resources & Sustainability, Interdependence, Human Impact	Critical Thinking, Creative Thinking, Problem Solving, Collaboration, Responsible Choices, Decision Making, Taking action
A Hot Topic	Students will engage in a transformative learning experience focused on human impact and climate change. Through a variety of hands-on activities they will develop a comprehensive understanding of environmental sustainability, the impact of human actions on the planet, and practical strategies for mitigating climate change and promoting a greener future.	Ecological Restoration (tree planting/tree maintenance, Composting, Worm Farms, Making DIY plant products, Planting their own Garden, Embedded Product Carbon Footprints	Resources & Sustainability, Human Impact, Interdependence	Critical thinking, Global issues, Reflection and Awareness, Responsibility, Finding Solutions, Taking Action



Important Information

Cost	450 HKD per student Notes: • If participant number is under 30 this price per student will increase. • If food is included in the programme there will be an additional cost. • Some activities may require an additional cost
Number of Participants	Maximum 60 but depends on activities that are being run. Notes: • If your year level is over 60 students we can run the same programme for different classes over multiple days.
Location	Mui Wo, Lantau island
Ratios	This is dependent on specific activities but is generally 1:10
What's included	• Detailed proposal designed specifically to desired learning outcomes • All resources and materials for the programme • Insurance for all participants • Risk assessment for programme • What to wear/pack list for participants • Zero Waste slides Note: • In some programmes pre / post activities or learning materials can be provided
Not included	• Snack or Lunch (unless otherwise specified and at an extra cost) • Travel to and from Mui Wo



Important Information

How to get there	Option 1: Bus to Mui Wo Market Bus Stop • AE staff will meet group at scheduled arrival time in Mui Wo • There is approximately a 30 minute nature walk to site • As arranged by school Option 2: Ferry from Central Pier 6 to Mui Wo • AE staff will meet group at scheduled arrival time in Mui Wo • There is approximately a 40 minute nature walk to site • As arranged by school (<u>Ferry Schedule</u>)
Timings	We provide full-day programmes. Timings are based on individual school needs. Notes: • The more time allocated the better for the programme as we can cover more material, engage in more activities and delve into concepts more deeply. • It is best if you can arrange to extend your day so that there is more time for the programme • We cannot guarantee all 'Sample activities' as this is directly related to amount of time available for the programme
Other considerations	• We recommend the 'On the Buffalo Trail' programme run from mid October to end of April due to weather • Tree planting season is from mid March to mid May. If a programme with tree planting is scheduled outside of that time the activity will 'tree maintenance' instead.





Ark Eden Foundation

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We look forward to working with you!

