



Curriculum Information Year 5

Our next Unit Of Inquiry: 'Sharing the Planet'		
An inquiry into rights and responsibilities and the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities.		
The Central Idea:		
Biodiversity is an interdependent system that can be affected by outside factors.		
Unit Summary:		
This unit of inquiry will introduce students to biodiversity and the natural balance between plants, animals and humans within different environments. Through the exploration of local ecosystems, key scientific vocabulary as well as concepts, students will develop an appreciation for the interdependence of living things.		
Lines of Inquiry	Attitudes and Learner Profile	Transdisciplinary Skills
<ul style="list-style-type: none"> - Interdependence within ecosystems, biomes and environments - threats to organisms and their habitats - Human actions towards environments 	<ul style="list-style-type: none"> Caring Principled Appreciation Respect Commitment 	<p>Research skills: Formulating questions, observation, planning, collecting, recording and organizing data.</p>

As part of our curriculum, students will continue to learn develop, use and apply their subject area knowledge and skills. During this unit, children will also be taught to:

Language	Mathematics	Science
<ul style="list-style-type: none"> - Organize ideas for a range of purposes using Reports, Posters, Poetry and Leaflets. - Select vocabulary and supporting details to achieve desired effects (persuasion). - Organize ideas in a logical sequence. 	<ul style="list-style-type: none"> - Gather, record and analyse data using tally marks, frequency tables and simple graphs to show populations of different species, as well as increases and declines in numbers. - Alongside this unit, the children will also learn how the operations of addition, subtraction, multiplication and division are related to each other and are used to process information to solve problems 	<ul style="list-style-type: none"> - Describe the interactions of living living things within and between ecosystems. - Investigate the conservation of energy in ecosystems and analyse the effects of changing a link in a food web. - Explain how human activities can have positive or adverse effects on local and other environments. - Recognise consequences of our actions and how we can preserve the earth's natural biomes.

Action is an important part of the curriculum where children can take the opportunity to extend their learning. This can take many forms, from a discussion initiated by your child, bringing something to school from home or a request to go somewhere in the community to find out more. To support your child at home with this unit of inquiry, you may wish to:

- Participate in WWF's *Walk for Nature 2011* on October 30 or November 6 – for more details, visit: http://www.wwf.org.hk/en/getinvolved/walkfornature/walkfornature_eventdetails/
- Visit our Sharing the Planet page on Glenealy Globe for educational video clips and more information about the unit
- Read about different habitats and ecosystems around the world and discuss what lives where
Spend some time looking around the many nature and reserve parks of Hong Kong
- Visit the Hong Kong Endangered Species Resource Centre in Cheung Sha Wan
- Go to Ngong Ping to see the new habitat of the Romer's tree frog – one of Hong Kong's endangered species

If you want to take some action and offer your expertise in any area, we would love to hear from you!