

Biodiversity Conservation (2)

Facilities, Activities and Achievement

(A) Facilities that foster biodiversity education in School

Collection of Plants

- 1046 species of plants on campus
- 200+ species of seed specimen (collected on campus) in CFSS Seed Bank
- 100+ species of plant specimen (collected worldwide) in CFSS Seed Bank
- 100+ leaf and flower specimen (collected on campus and in Siu Sai Wan District) in Herbarium and Seedling Nursery Center
- 200+ fossils in Geology and Climate Change Resource Center

Infrastructure

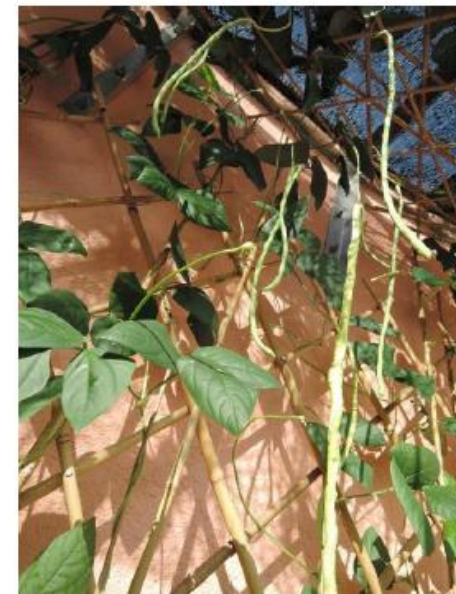
- Environmental Trail
- Precious Medicinal Plants Garden (PMPG)
- Ferns Garden
- Medicinal Plants Gardens
- Creative Garden
- Coral Aquarium
- CFSS Seed Bank
- Herbarium and Seedling Nursery Center
- Science and Sustainable Development Resource Center (SSDRC)
- Geology and Climate Change Resource Center (GCCRC)



CFSS Seed Bank



**Herbal Specimen in Science & Sustainable
Development Resource Center**



**Space Seedling
Nursery Ground**



Creative Garden



**Eco-aquarium in Science & Sustainable
Development Resource Center**



Medicinal Herb Garden



**Fern
Garden**



**Fossils in Geology and Climate Change
Resource Center (GCCRC)**



**Hydroponics in Herbarium and Seedling
Nursery Center**



**Rosewood Garden,
CFSS Environmental Trail**



Greenhouse, CFSS Environmental Trail



Entrance of CFSS Environmental Trail



(B) Infiltrating concepts on sustainability and environmental conservation into school-based curricula and teaching activities



**2012 Multidisciplinary study in
Tai Po Kau Nature Reserve**



2015 Interdisciplinary study in Ma Shi Chau

**2013 Interdisciplinary study
in Ting Kok Mangroves**



(C) Contribution in school and society: Promotion of Biodiversity on campus

- Mobile learning and BYOD workshop on biodiversity
- Popular Science Enhancement Programme: Fruit Types and Seed dispersal
- Plant Specimen Collection Workshop
- Juvenile Horseshoe Crab Rearing Programme
- Scarab Beetle Rearing Workshop
- Space Seed Nursery Programme
- Tree Pioneer Programme
- Conservation Signature Campaigns
(mangrove, dolphins, seahorse, horseshoe crabs, sea turtles, sharks and elephants)



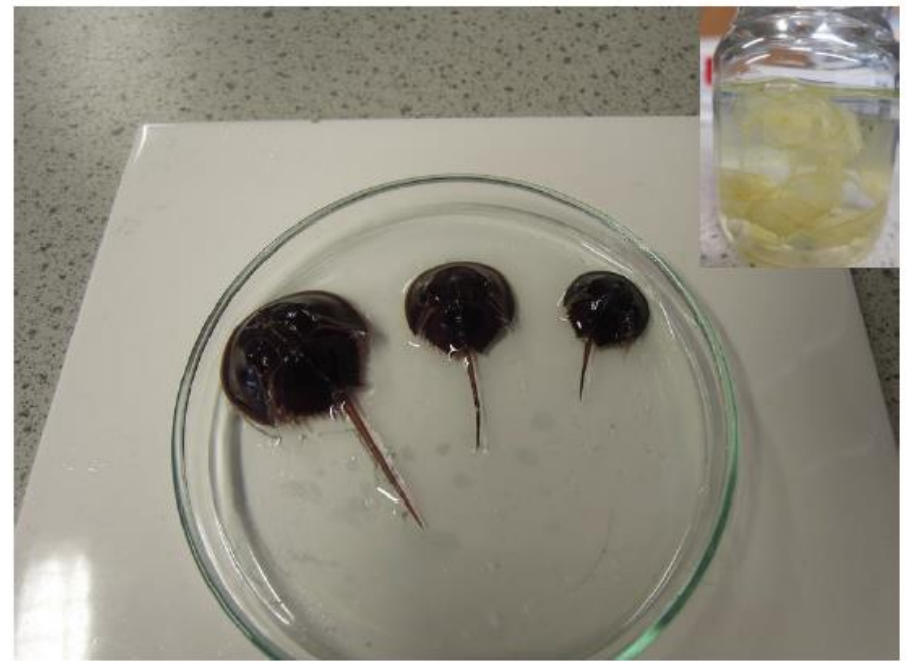
**“Vote Ruby” Dolphin Conservation
Signature Campaign**



**Horseshoe Crab Conservation
Signature Campaign**



**Scarab Beetle
Rearing Workshop**



Juvenile Horseshoe Crab Rearing Programme



Planting along Corridor



Plant Biodiversity Workshop



**Plant Specimen
Collection Workshop**

Promotion of Biodiversity to the Community:

2009	July	Mobile Learning Workshop Demonstration
2010	Dec	HK Brands and Product Expo 2010
2012	Jan	Exhibition on Climate Change in YMCA Chai Wan Center – Recruitment of Low-Carbon Ice-Savers
2013	Jan	LOHAS Expo 2013
2015	Mar	Lunar New Year Nature Appreciation Voluntary Elderly Service
	Apr	Space Seed Nursery Programme
	Jul	Voluntary Child Service: Finding an Urban Oasis
2016	Jan	Student Education Fair on Sci, Technology and Mathematics
2016	Mar	HK SciFest 2016
2017	Mar	HK SciFest 2017 and HK SciFest Carnival



Exhibition on Climate Change in YMCA Chai Wan Center – Recruitment of Low-Carbon Ice-Savers



LOHAS Expo 2013



Hydroponic workshop on space seeds



Space Seed Transfer Ceremony



**Lunar New Year Nature Appreciation
Voluntary Elderly Service**



Voluntary Child Service: Finding an Urban Oasis

(D) School being invited for conducting seminar on biodiversity

(D) School being invited for conducting seminar on biodiversity:

Date	Title of Seminar	Organization
8 July 2009	<i>Mobile Learning Showcase</i>	EDB
19 June 2010	<i>Sustainable Development Education in CFSS</i>	CSD
19 June 2013	<i>Infiltration of Project-Based Learning in Biology Curriculum</i>	EDB
20 Mar 2015	<i>Collaboration in Learning and Teaching</i>	Worlddidac Asia Expo
17 Nov 2015	<i>Space-Seed Nursery Project in HK (Space Seeds and Aerospace Science Conference in Tengchong, Yunnan)</i>	China Aerospace Science and Technology Corporation, UNESCO (HK)
29 Nov 2015	<i>Promotion of Science and Technology Education in CFSS (Newly Appointed Principal's Seminar)</i>	Center for Educational Leadership of HKU
18 Dec 2015	<i>Incorporation of STEM in Biology Education</i>	EDB
30 Apr 2016	<i>STEM Education: Exchange of Inspirations</i>	The Education University of Hong Kong



8 July 2009
Mobile Learning Showcase



19 June 2010
Sustainable Development Education in CFSS



19 June 2013
Infiltration of Project-Based Learning in Biology Curriculum



20 Mar 2015
Worlddidac Asia Expo - Collaboration in Learning and Teaching

**17 Nov 2015
Space-Seed Nursery
Project in HK
(Conference in Yunnan)**



**29 Nov 2015
Promotion of Science and Technology
Education in CFSS
(Newly Appointed Principal's Seminar)**



**18 Dec 2015
Incorporation of STEM into Biology
Education**

(E) School Achievement

School Achievement on Promoting Biodiversity and Sustainable Development:

- 2012 UNESCO Project in Education for Sustainable Development in China Experimental School
- 2013 School of Distinction Award, 28th China Adolescents Science and Innovation Contest (CASTIC)
- 2009 – 2010, 2010 – 2012 Sustainable Development Gold School Award, Council for Sustainable Development (CSD)
- 2012 – 2014, 2014 – 2016 Sustainable Development Community Award, CSD
- 2014 Devotion of Promotion of Sustainable Development Honours Award, CSD
- 2014 12th Hong Kong Green School Award Gold Award
- 2015 The Hong Kong Awards for Environmental Excellence – Sectorial Awards (School – Secondary) Silver Award
- 2016 Distinction Award, Best Organized Science and Technology Activity, 31st CASTIC
- 2016 UNESCO Project in Education for Sustainable Development in China Exemplary School



2013全國十佳科技教育創新學校
2016全國十佳科技實踐學校



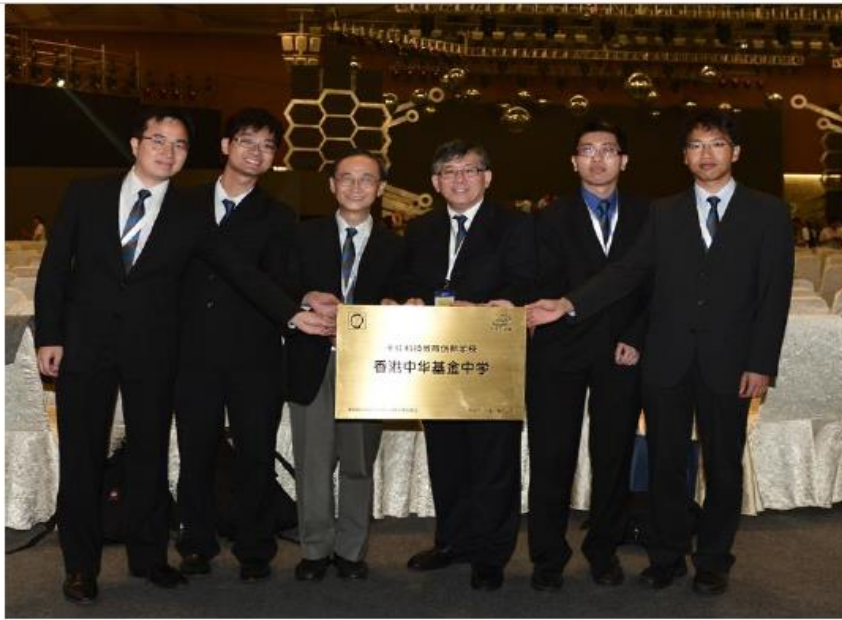
聯合國教科文組織中國可持續發展教育(ESD)項目
示範學校
UNESCO Project in Education for Sustainable Development in China
Exemplary School



2009-2010, 2010-2012 可持續發展學校金獎
2012-2014, 2014-2016 可持續發展社區項目獎
積極推動可持續發展榮譽大獎



第十二屆香港綠色學校獎綠色學校金獎
12th Hong Kong Green School Award - Green School Gold Award
香港環保卓越計劃界別卓越獎(學校 - 中學)銀獎
The Hong Kong Awards for Environmental Excellence -
Sectorial Awards (Schools - Secondary) Silver Award



School of Distinction Award, 28th China Adolescents Science & Innovation Contest



12th HK Green School Award Gold Award

2012 – 2014, 2014 – 2016 Sustainable Development Community Award, Council for Sustainable Development (CSD)

Awards on Best Organized Student Activity on Promoting Biodiversity:

2012

Go Fun Low Carbon Youth Forum

Best Performing School Award

The Best Participation Award

2011 – 2016

Hong Kong Youth Science & Technology Innovation Comp. (STIC)

3 First Prizes, 3 Second Prizes and 5 Merits

China Adolescent Science & Tech. Innovation Contest (CASTIC)

3 First Prizes, 4 Second Prizes and 4 Third Prizes



Green Guru Team: Popular Science Enhancement Program

Progressive increase in annual hours of participation

Year	0 – 9 h	10 – 19 h	20 – 29 h	30 – 39 h	40 h or more	Total
11/12	84	2	0	0	0	86
12/13	99	3	0	0	0	102
13/14	112	6	1	7	2	128
14/15	197	41	14	10	11	273
15/16	258	45	12	1	2	318

Year	Number of Green Gurus
11/12	No formal organization was formed
12/13	No formal organization was formed
13/14	68
14/15	89
15/16	93

Green Guru Team- Online platform to promote Biodiversity Conservation

The image displays a Facebook page for the 'CFSS Science Enhancement team - Green Guru' and a photograph of a meeting. The Facebook page shows a post titled 'CFSS Science Enhancement team - Green Guru added 14 new photos to the album: Growth Monitoring of Space Seed II', published by Dickson Ho on October 2 at 9:34am. The post includes a large photo of a red chili pepper on a plant stem and a grid of 14 smaller photos showing various plants and seedlings. The page also features a navigation menu on the left with options like Home, About, Photos, Likes, Videos, Posts, and Manage Tabs. A meeting photograph shows several people, including students and staff, seated around a table in a room, engaged in discussion. Below the meeting photo is a grid of 14 small images showing various plants and seedlings, likely related to the 'Growth Monitoring of Space Seed II' project.

Heads from different teams holding meeting with Principal to set school policies on biodiversity conservation and sustainable development

Biodiversity conservatists:

Ecologist

Ho Pui Shuen (HKDSE 2013)

Joint-university Green Leaders

Tsui Yung Kin and Wong Lillian (HKDSE 2014)

Sustainable Development Ambassador, CSD

Tsin Sau Kiu (S.2)

Trainees under Biodiversity Education Scheme sponsored by AFCD

Law Chung Hin Henry (S.5)

Pursuing their goals in universities

Chinese Medicine, Veterinarian, Zoology, Life Science

