

# WWF-Hong Kong Mainstreaming Sustainability into Local Primary School Curriculum **Self-evaluation Guideline of Whole School Approach Indicator**

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The guideline aims to provide schools with a blueprint for self-evaluation using the six assessment criteria of the Whole School Approach Indicator. Schools can use the indicator to review the current status of promoting education for sustainable development (ESD), and to enhance areas needing improvement for yearly school planning.

Steps of Whole School Approach Annual Self- Evaluation



How long: 90-120 minutes Where: On campus Who: All staff Materials: This guide, papers, pens, self-evaluation table (Appendix), coloured round stickers (large and small)

#### Discussion

Divide into 6 teams, each team assesses one of the six aspects according to the assessment criteria and select a mark (3 marks as maximum)

### Sharing

Each team shares comments on the assigned aspect and the host posts the marks on a chart with large blue round stickers (see picture1)

### Brainstorming

Invite all school personnel to vote for the aspects that they think need improvement by placing 3 coloured small stickers on the chart. Invite each team to discuss and offer suggestions

Follow-up School management sets up a team to look into the suggestions (P. 12)



Picture 1: Example of the completed self-evaluation table



- · Schools promote Education for Sustainable Development (ESD) in a holistic and action-oriented approach
- · Schools value the comprehensive growth of students in terms of knowledge, values and attitudes acquired
- · Offer teacher ESD training opportunities

Assessment Criteria	3 marks: Advance	2 marks: Intermediate	1 mark: Elementary	0 mark: Yet to implement
1.1 Diversified Learning and Teaching Approach	<ul> <li>Integrate sustainable living into school curriculum with comprehensive plan of syllabus and activities</li> <li>School curriculum includes outdoor learning and interdisciplinary learning experiences</li> </ul>	<ul> <li>Most teachers have attempted to use a variety of teaching and learning methods</li> <li>Promote students' autonomy with inspirational teaching approach</li> </ul>	<ul> <li>A few teachers have attempted to use a variety of teaching and learning methods</li> <li>School attempts to incorporate fun, engagement and real experience in school curriculum</li> </ul>	<ul> <li>The school uses conventional teaching and learning methods</li> <li>Teacher-centred learning within classrooms</li> </ul>
1.2 Value and Attitude	<ul> <li>Nurture positive change among students gradually in the long run</li> <li>Provide opportunity for practices and an evaluation system</li> </ul>	<ul> <li>Transform students' value and attitude actively through a more interactive teaching approach</li> <li>Apply this element in most of the curriculum and the activities</li> </ul>	<ul> <li>School values knowledge gains and attempts to incorporate positive values and attitudes in <b>teaching</b></li> <li>ESD in school is <b>unilateral</b>, such as putting up signages and giving reminders</li> </ul>	<ul> <li>Focus solely on students' gaining knowledge</li> </ul>
1.3 Professional Development for Teachers	<ul> <li>All teachers participate in ESD teacher training</li> <li>Provide regular training opportunities every year</li> </ul>	<ul> <li>Most teachers participate in ESD teacher training</li> <li>Provide occasional training opportunities</li> </ul>	• <b>Some</b> teachers participated in ESD teacher training	• <b>None</b> of the teachers participated in ESD training



Exemplar		
School	Content	
Chung Sing School	<ol> <li>Interdisciplinary learning: conduct interdisciplinary project with 'Sustainable Development' and practicing 'green living' as the main themes</li> <li>Continuous promotion of moral and civic education, nurture positive value and attitude among students (Using "Appreciation" as the central theme across a school year and cultivate appreciation towards humanity and nature)</li> </ol>	
Xianggang Putonghua Yanxishe Primary School of Science and Creativity	Teachers regularly participate in training and workshops on environmental protection - Green school teacher workshops - Attend "Eco-tourism training courses"	
Shun Tak Fraternal Association Ho Yat Tung Primary School	Integrate ESD into all subjects of all grades. For example, P.2 students conduct surveys on classmates' habits on waste reduction in Maths lesson and present the results in bar charts	
Combine marine litter and STEM for project-based learning		
Shek Lei St. John' s Catholic Primary School	Collect plastic bottles for making stop-motion animation and 3D artwork.	
Sha Tin Wai Dr. Catherine F. Woo Memorial School	Beach clean-up at Hoi Mei Wan Beach and conduct further discussion at school. Students brainstorm ways to make their own "waste classifying tool".	
C.C.C Wan Chai Church Kei To Primary School (Kowloon City)	After collecting and categorising marine beach litter, students make their own device for filtering plastic debris from the sand.	



· Encourage and appreciate students' creativity in ESD and provide opportunities for practical application

· Involve students in developing school-based policies related to sustainability

## Assessment Criteria

Indicator	3 marks: Advance	2 marks: Intermediate	1 mark: Elementary	0 mark: Yet to implement
Participation and Autonomy	<ul> <li>Develop a student participatory mechanism to regularly collect feedback and provide practice opportunities</li> <li>All students can take part in policy making</li> </ul>	<ul> <li>Teachers arrange time for student to reflect and provide feedback in some subjects or other learning opportunities</li> <li>Student representatives can take part in policy making</li> </ul>	<ul> <li>Top-down approach in policy decisions</li> <li>Some students are consulted but their opinions are less likely to be considered</li> </ul>	<ul> <li>Top-down approach in policy decision</li> <li>Students are never consulted</li> </ul>

Exemplar		
School	Content	
Carmel Alison Lam Primary School       "Young Pioneers" of environmental protection         1. Central broadcast of weather report in school e.g. temperature, humidity, weather warnings etc.         2. Students vote for whether they would turn off air conditioning in their own classroom during recess         3. Teacher set goals (e.g. turn off air-conditioning for at least 10 days a month) at each stage and reward class for achieving the goals         4. Analyse and report the effectiveness of electricity usage to students		classroom during recess
Dr. Catherine F. Woo Memorial School	<ol> <li>Student consultation committee</li> <li>Promote civic education through student council, provide a platform for students to experience fair election and to voice their opinions</li> <li>All students vote and elect class representatives for the student committee</li> <li>Class representatives collect students' opinions and attend meetings four times a year to reflect the collected opinions</li> </ol>	<ol> <li>Nature Protector</li> <li>Teacher-in-charge nominates 20 members</li> <li>Teacher organises learning activities according to members' interests</li> <li>Encourage members to work on independent projects according to their interest</li> <li>The team regularly monitors the progress of sustainable living in school and gives suggestions for improvement, e.g. promoting during morning assembly less use of plastic cutlery and containers</li> </ol>
Xianggang Putonghua Yanxishe Primary School of Science and Creativity	<ul> <li>"No Plastic Fast Lane"</li> <li>Students participate in WWF's Agent Green Student Ambassador Training Programme (2017-2018), which aims to develop students passion in promotin a sustainable campus through interactive and student-centred learning approach</li> <li>Students observe the use of disposable products on campus with teacher assistance</li> <li>Students initiate their own campus action at the tuck shop based on the observation. Students who bring their own reusable utensils and containers could buy snacks in the fast lane</li> <li>At morning assembly students promote the importance of bringing own cutlery and containers and review daily effectiveness of the fast lane</li> </ul>	



### Aspect 3: School Premises and Resources Management

- · Responsible use of resources: integrate sustainability principles in policies related to procurement, waste management, energy and water usage
- Design and manage school premises according to sustainability principles, such as using natural lighting, solar energy and optimising building location and orientation to enhance air ventilation
- · Make school operation an exemplar for sustainability

Assessment Criteria				
Indicator	3 marks: Advance	2 marks: Intermediate	1 mark: Elementary	0 mark: Yet to implement
3.1 Procurement	• <b>All</b> procurement is done with sustainable development as the primary consideration	• <b>Some</b> procurement is done with sustainable development as the primary consideration	<ul> <li>Possess knowledge of green procurement principles</li> <li>Consider other factors before sustainable development in procurement</li> </ul>	Do not possess knowledge of green procurement principles
3.2 Waste Management	<ul> <li>Ban the use of disposable products</li> <li>Zero food waste on campus</li> </ul>	<ul> <li>Minimise the use of disposable products</li> <li>Minimise food waste</li> </ul>	<ul> <li>Encourage recycling, reuse and replacement</li> <li>Yet to reach the goal of minimising the use of disposable products (plastic, metal, paper etc.)</li> </ul>	• <b>Do not know</b> how to integrate principles of sustainable development into use of resources
3.3. Design and Management of School Premises	<ul> <li>Use of <b>renewable energy</b></li> <li>Practising minimal use of energy, water and paper</li> </ul>	<ul> <li>Practising <b>minimal use</b> of energy, water and paper</li> </ul>	• <b>Traditional use of</b> energy and water	• <b>Do not know</b> how to integrate principles of sustainable development into design and management of school premises
3.4 Monitoring and Evaluation	<ul> <li>Regularly collect and record data of resource use in all aspects</li> <li>Regularly evaluate data and improve the effectiveness of resource use</li> </ul>	<ul> <li>Regularly collect and record data of resource use in most aspects</li> <li>Occasionally evaluate data and improve the effectiveness of resource use</li> </ul>	<ul> <li>Regularly collect and record data of resource use in a few aspects</li> <li>But the data is never checked out</li> </ul>	• <b>Do not have</b> a monitoring and evaluation system for use of resources



Exemplar	
School	Content
Chiu Yang Por Yen Primary School	Established a detailed guideline of measures on sustainable use of water, electricity, and paper, and emphasises regular evaluation and follow-up. <b>P E &amp; &amp; P &amp; </b>



WWF has tailor-made a "Green Procurement Policy" for local schools. The policy includes a whole range of product types such as cleaning supplies, plastic products, electronics, wooden furniture and paper products, stationery, textile and clothing, coach hiring, food and palm oil.



- · Schools actively promote sustainability to parents and the neighbourhood
- · Schools appreciate the participation of parents, school staff and the government
- $\cdot$  Students are competent in promoting sustainability to the community

Indicator	3 marks: Advance	2 marks: Intermediate	1 mark: Elementary	0 mark: Yet to implement
Interacting with parents, government, school board and the community	<ul> <li>School officially establishes long- term interaction and cooperation with parties below and builds good exemplar of sustainable development</li> <li>Parents</li> <li>Parent Teacher Association (PTA)</li> <li>School board</li> <li>Government</li> <li>Community and organisation nearby</li> </ul>	<ul> <li>School and community have begun establishing an interactive partnership or established close partnership with certain parties</li> <li>Parents are involved in campus life and have an understanding of sustainable development</li> <li>Students establish a partnership with the community to actively address local environmental problems</li> </ul>	<ul> <li>Limited cooperation with community on certain issues</li> <li>Communicate, promote and share green measures on campus with the community</li> </ul>	<ul> <li>Do not establish any partnership with community but invite cooperation when necessary</li> <li>Do not have frequent communication with community</li> </ul>

### School may consider establishing long-term cooperation with:



Social Welfare Organisations



Green Groups



Social Enterprises



Community Organisations



Small Shops in the Community



Exemplar	
School	Content
Shek Lei St. John' s Catholic Primary School	Co-organise "Service Learning Day" with The Boys' and Girls' Clubs Association of Hong Kong; F.4 students run community booth promoting "Say no to shark fin" and "Reducing food waste"
Tseung Kwan O Government Primary School	Easy Exchange programme: student donates new stationery to the "Stationery Bank"         Image: student donates new stationery to the "Stationery Bank"
Chiu Yang Por Yen Primary School	Environmental Protection Week: school invites parents volunteers. Parents help out in activities and gain a better understanding of ESD





- · Schools actively organise, practice, monitor, evaluate, reflect and review items, policies and activities related to sustainability
- · Develop good exemplars through consistent monitoring and evaluation of green actions on campus

-57-			
3 marks: Advance	2 marks: Intermediate	1 mark: Elementary	0 mark: Yet to implement
<ul> <li>Most students can take part in monitoring and evaluation</li> <li>Management level implements policy for evaluation, equips teachers with effective skills to evaluate, and utilises assessment data / information to review the effectiveness of school policy</li> <li>Develop good exemplar through constant monitoring and evaluation of green actions and campus policies</li> </ul>	<ul> <li>Some students take part in monitoring and evaluation</li> <li>Management level or a dedicated ESD team monitors and evaluates most of the green measures</li> <li>Introduce diversified assessment mode to reflect students' general performance and effectiveness of sustainable actions</li> </ul>	<ul> <li>Student-led environmental group takes part in evaluation of green actions on campus</li> <li>Management level or a dedicated ESD team only monitors and evaluates a few green measures</li> </ul>	<ul> <li>No management or monitoring on green measures and actions on campus and therefore cannot provide objective evaluation on their effectiveness</li> </ul>
Content			
			Diversified assessment mo for General Studies
	<ul> <li>Most students can take part in monitoring and evaluation</li> <li>Management level implements policy for evaluation, equips teachers with effective skills to evaluate, and utilises assessment data / information to review the effectiveness of school policy</li> <li>Develop good exemplar through constant monitoring and evaluation of green actions and campus policies</li> </ul>	<ul> <li>Most students can take part in monitoring and evaluation</li> <li>Management level implements policy for evaluation, equips teachers with effective skills to evaluate, and utilises assessment data / information to review the effectiveness of school policy</li> <li>Develop good exemplar through constant monitoring and evaluates most of the green measures</li> <li>Introduce diversified assessment mode to reflect students' general performance and effectiveness of sustainable actions</li> </ul>	<ul> <li>Most students can take part in monitoring and evaluation</li> <li>Management level implements policy for evaluation, equips teachers with effective skills to evaluate, and utilises assessment data / information to review the effectiveness of school policy.</li> <li>Develop good exemplar through constant monitoring and edited effectiveness of sustainable actions</li> <li>Introduce diversified assessment mode to reflect students' general performance and effectiveness of sustainable actions</li> </ul>

The Education Bureau sets up different assessment modes for General Studies for teachers to recognise students learning process

(Reference: A Framework of Assessment Practices for General Studies, p.158, Adapted from Shirley Clarke, 2001)



### 14/9

地下飯堂

平均廚餘 (每人)

廚餘 重量

人數

日期

"/9

12/9

13/9

馬鞍山靈糧小學

天台飯堂

445 2.6 kg 0.0058 kg 395 2.4 kg 0.0061 kg 20 0.04 kg 0.002 kg

445 2.2kg 0.0049kg 395 2.1kg 0.0053kg 22 0.03kg 0.0014kg

445 2.3 kg 0.0052 kg 395 2.2 kg 0.0056 kg 19 0.02 kg 0.0011 kg 445 2.5 kg 0.0056 kg 395 2.3 kg 0.0058 kg 23 0.05 kg 0.0023 kg

19/4 445 2.4 kg 0.0054 kg 395 2.5 kg 0.0063 kg 21 0.03 kg 0.0014 kg

平均**廚餘** (每人)

廚餘 重量

人數

教員室

平均廚餘 (每人)

廚餘 重量

人數



- · Create a campus vision of "living in harmony with nature"
- · Involve all school staff in decision-making
- · Incorporate ESD into school ethos, vision and policies

Assessment Criteria	-1-			
Indicator	3 marks: Advance	2 marks: Intermediate	1 mark: Elementary	0 mark: Yet to implement
6.1 Whole School Approach	<ul> <li>All students, teachers, school staff and Parents Teachers Association (PTA) involve in decision-making and actively promote ESD</li> <li>School cooperates with the community to foster sustainable development</li> </ul>	<ul> <li>All students, teachers, and school staff are in the process of implementing whole school approach to promote ESD</li> </ul>	<ul> <li>A few teachers are aware of and are interested in implementing whole school approach to promote ESD</li> </ul>	<ul> <li>School is not aware of or does not understand the concept of ESD. School leadership team makes related decisions.</li> </ul>
6.2 Whole School Policy	<ul> <li>School has embedded ESD in school mission, vision and school policies, and is supported and recognised by all school stakeholders such as parents and the community.</li> <li>School has established management policies based on ESD principles</li> </ul>	<ul> <li>School values ESD in school operation and emphasises ESD as main focus of school policy. School staff and students understand it</li> <li>School is establishing management policies based on ESD principles</li> </ul>	<ul> <li>School is considering or has embedded ESD in school operations within limited areas</li> <li>School intends to establish management policies that are based on ESD principles</li> </ul>	<ul> <li>Few or no school members understand ESD and have no intention to incorporate it as part of school policy</li> <li>School has no intention of incorporating ESD as principle for management policies</li> </ul>



chool	Content
hung Sing School	<ol> <li>Incorporate "Sustainable Development" into school development concerns and enhance the implementation of environmental education:</li> <li>School development plan 2018-2019         <ol> <li>Use information and technology effectively and practice self-directed learning</li> <li>Actualise the principle of sustainable development and create a caring, environmentally friendly campus</li> <li>Strengthen moral education and develop positive values towards life (especially relating to respect)</li> </ol> </li> <li> <u># 聲 學 校 學校發展計劃 =零一八至二零一九年度 <u># 上零項 () 活用資訊料後, 實踐自主學習 <u>P.2-3         </u> () 海海總檢教育, 建立回点便像來 () 海海總檢教育, 建立回点便像來 () 海南這個發展, 辦於 () 海南總檢教育, 建立回点理解 <u>P.2-3         </u> () 海南這級教育, 建立回点理解 <u>P.2-3         </u> () 海南總也執育, 建立回点便像段 <u>P.4-5         </u> () 加姆也執育, 建立回点 () 海南進 () 本書 () 加姆也執育, 建立回点人生親 (僅   ) () 平台 () 加姆也執責, 建立回点人生親 (僅   ) () P.6-7         </u></u></li> </ol>
seung Kwan O Govern- ient Primary School	(In Chinese only. Derived from <u>http://www.chungsing.edu.hk/year/report/1819/C1.pdf</u> ) Set up a dedicated page for environmental education on school website and regularly update campus' environ- mental information

Feature Stories of School Culture and Ethos:





Chung Sing School Xianggang Putonghua Yanxishe Primary School of Science and Creativity





Marymount Primary School Ma On Shan Ling Liang Primary School





Tseung Kwan O Government Primary School Shun Tak Fraternal Association Ho Yat Tung Primary School After a thorough discussion on the Whole School Approach, a dedicated team may complete the sheet below based on the chosen aspect for improvement, and to further promote ESD.

Name	
Action Plan	
Time frame	
Project members (e.g. Curriculum Development Officer, Subject Panel)	
Relevance to sustainable development programme	
Project aim	
Project outcome	
Evaluation (e.g. student questionnaire, teacher comments)	
Estimated resources for the project (e.g. capital, professional skills and guidance, etc.)	

