



ASEF Classroom Network #ASEFClassNet Online Collaboration 2018

Proposal

1. Title of the Online Collaboration (Max. 6 words)

Project GIFT – Green Is For Tomorrow

2. Name and contact details of project co-ordinator(s)

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3. School description (Max. 30 words)

Boon Lay Secondary draws on the proud heritage of Boon Lay Secondary School and Pioneer Secondary School, a co-ed school situated in the heart of the neighbourhood.

4. Summary of the Proposed Online Collaboration (Max. 200 words)

Based on estimates, the world cities generated 1.3 billion tonnes of waste annually with Asia accountable for 1 million tonnes per day. With current urbanisation and population growth rate, the global waste generation is estimated to rise to 2.2 billion tonnes by 2025. A World Bank study showed that urban areas in Asia spent USD25 million per year on solid-waste management, and this figure will increase to USD47 million per year.

Similarly, Singapore's solid waste output has increased significantly over the years. The amount of waste sent for disposal rose from 1,260 tonnes per day in 1970 to 8,559 tonnes per day in 2016. This amount would have been significantly higher if Singapore had not recycled more than half of its waste! The need and importance of recycling has been emphasized increasingly and it will be beneficial for students to find out about the waste management efforts of their respective countries and countries around the world. Furthermore, schools are one of the places where many resources such as paper and plastic bottles are used widely or even wasted to a large extent. Students can be more involved in researching on the waste disposal habits of their friends and in turn, in inculcating good waste disposal habits school-wide.

Students are to research on waste management in their respective countries, analyse waste disposal habits of their schoolmates and suggest ways/solutions for school-wide improvement/ engagement. These can vary in forms such as class-wide/school-wide campaigns and videos to create awareness or

an art installation using upcycled/recycled materials. Students can learn from schools in another country if they already have environmentally friendly solutions in place which they can implement in their respective schools.

**5. The Online Collaboration falls under the main themes of:
Please state "1" to "3" in level of relevance**

<input type="checkbox"/> Arts & Culture	<input type="checkbox"/> Health
<input type="checkbox"/> Business & Entrepreneurship	<input type="checkbox"/> History
<input type="checkbox"/> Education	<input type="checkbox"/> Media
<input checked="" type="checkbox"/> Environment & Sustainable Development	<input type="checkbox"/> Science & Technology
<input type="checkbox"/> Others. Please specify below:	

6. Duration of the Online Collaboration (Please state start and end date):

Start Date	:	15 February 2018
End Date	:	31 August 2018
Duration	:	6.5 months

7. Expected no. of schools/students involved and level of language and ICT skills

No. of Schools in total	:	3
No. of Students in total	:	40
Students Age Group	:	13-17
Level of English	:	Intermediate
Level of ICT Skills	:	Basic

**8. ICT tools/software required
Please tick (✓) as appropriate)**

<u>Word processing software</u>	<u>Video conference tools</u>	<u>Storage tools</u>
<input type="checkbox"/> Adobe Acrobat Reader	<input type="checkbox"/> Skype	<input type="checkbox"/> Dropbox
<input checked="" type="checkbox"/> Google Docs/Sheets	<input type="checkbox"/> Viber	<input checked="" type="checkbox"/> Google Drive

<input checked="" type="checkbox"/> Microsoft Word/Excel	<input type="checkbox"/> Vyew	<input type="checkbox"/> iCloud
<input type="checkbox"/> Scribd	<input type="checkbox"/> Wechat	
<input type="checkbox"/> Wordpress		
<u>Social media</u>	<u>Image editing software</u>	<u>Online collaboration</u>
<input type="checkbox"/> Ask.fm	<input type="checkbox"/> Adobe Illustrator	<input type="checkbox"/> Mindmeister
<input checked="" type="checkbox"/> Facebook	<input type="checkbox"/> Adobe Lightroom	<input type="checkbox"/> Slack
<input type="checkbox"/> Flickr	<input type="checkbox"/> Adobe Photoshop	<input type="checkbox"/> Telegram
<input checked="" type="checkbox"/> Instagram	<input type="checkbox"/> BeFunky (online)	<input type="checkbox"/> Trello
<input checked="" type="checkbox"/> Pinterest	<input type="checkbox"/> Sketch (Mac only)	
<input type="checkbox"/> Tumblr		
<input type="checkbox"/> Twitter		
<input type="checkbox"/> Weibo		
<u>Video/audio editing software</u>	<u>Presentation</u>	<u>App development</u>
<input type="checkbox"/> Adobe Premiere	<input type="checkbox"/> Google slides	<input type="checkbox"/> Adobe Flash builder
<input type="checkbox"/> Audcity	<input checked="" type="checkbox"/> Microsoft Powerpoint	<input type="checkbox"/> Alpha Software
<input type="checkbox"/> Garageband (Mac only)	<input checked="" type="checkbox"/> Prezi	<input type="checkbox"/> Appy Pie
<input type="checkbox"/> Soundcloud		
<input type="checkbox"/> Windows Movie Maker		
<input checked="" type="checkbox"/> Youtube		
<u>Others (please specify):</u>		

9. Other resources needed:
(Please tick (✓) as appropriate)

<input checked="" type="checkbox"/> Camera	<input type="checkbox"/> E-reader	<input type="checkbox"/> OHP
<input checked="" type="checkbox"/> Desktop Computer/Laptop	<input type="checkbox"/> GoPro	<input checked="" type="checkbox"/> Smart Phones
<input checked="" type="checkbox"/> Digital Projector	<input type="checkbox"/> Interactive Whiteboard	<input checked="" type="checkbox"/> Tablet
<input checked="" type="checkbox"/> Voice Recording Devices	<input type="checkbox"/> NA	
<u>Others (please specify):</u>		

10. Learning objectives and outcomes for teachers and students

(Please list at least 3 learning objectives and outcomes for teachers and students respectively.)

Learning Objectives	Outcomes
Teachers should join to:	For Teachers:
1. create awareness on waste management processes present in their respective countries/ communities/ schools	1. Able to simplify waste management processes to students for them to be able to relate to it better
2. expand their repertoire of ICT skills	2. To explore the use of these ICT skills in teaching and pedagogy in other areas ie. teaching subjects
3. gain more opportunities to collaborate with partners	3. Acquire new perspective, knowledge and ideas gained from the interaction
Students will learn to:	For Students:
1. acquire and share knowledge on the different waste management processes present in their respective countries/ communities/ schools	1. A video detailing the journey of a disposed plastic bottle/ trash from a dustbin in school to its 'end' i.e. A Day in the Life of Used Plastic Bottles
2. analyse results of waste disposal habits in their respective schools.	2. A social experiment that allows students to collect data on the number of plastic bottles that are recycled versus disposed/left lying around given certain conditions. For example, announcements; recycling bins; incentives
3. create awareness on the disposal of plastic bottles in respective schools	3. Presentation during school assembly to highlight results of social experiment
4. suggest solutions to encourage recycling in schools	4. Flyers/posters to create awareness/ encourage students in school to play their part
5. make a commitment to keep their respective schools clean	5. A GREEN Pledge
6. create awareness on upcycling	6. Prototype of an upcycled product
7. engage in authentic learning and creative thinking	7. More awareness of waste disposal and management in the school and in other countries
8. to take ownership of their learning in their areas of synthesising the information to produce a brand new knowledge	8. Learn and adapt solutions from partner countries for existing problems
9. harness ICT skills such as doing research online, photo editing, video editing and coming up with online posters.	9. Strengthen their collaborative skills through research and exchange of ideas on the ICT platform and acquire ICT skills

10. acquire collaborative skills through working in a team to achieve common goals	10. Work effectively as a team
11. forge lasting friendship and understanding amongst participants	11. Develop a sense of empathy and problem-solving and critical thinking skills

11. Timeline and activities of the Online Collaboration

	Main Coordinator	Teachers	Students
Phase 1 (February-June 2018)			
Introduction			
<ul style="list-style-type: none"> Set-up Facebook group and invite members to the group 	✓		
<ul style="list-style-type: none"> Self-introduction by all participating members. Write a self-portrait and familiarise themselves with the project portal and project members from other schools 	✓	✓	✓
Research and sharing of information			
<ul style="list-style-type: none"> Student participants will research on types of waste management methods in their respective schools/countries. Teachers can also choose to provide them with information 		✓	✓
<ul style="list-style-type: none"> Learning journey to waste management plants 			✓
<ul style="list-style-type: none"> Student participants will make a video recording of what happens to waste products at the plant 			✓
<ul style="list-style-type: none"> Student participants will present their videos detailing the journey of a piece of trash with explanation. 			✓
Phase 2 (April-May 2018)			
Analysis and Creating Awareness			
<ul style="list-style-type: none"> Student participants will analyse the waste disposal habits of their schoolmates and propose solutions to encourage recycling. 			✓
<ul style="list-style-type: none"> Student participants will also discuss and learn from the solutions/ suggestions other countries' have put forth to see if it's applicable in their schools. 			✓
Phase 3 (June - July 2018)			
Creating Prototypes			
<ul style="list-style-type: none"> Student participants will engage in a mini upcycling project in class and create prototypes 			✓
Phase 4 (August 2018)			
Reflection / Evaluation/ Showcase			
<ul style="list-style-type: none"> Student participants will conclude the project through reflections on the tasks and what they have learnt from the project. They will also reflect on the benefits of working with students from another country and the 	✓	✓	✓

collaboration they had with them. They will also share their experiences and difficulties faced during the project and how they have overcome the obstacles faced.			
<ul style="list-style-type: none"> ▪ Student participants will showcase/ exhibit their videos on waste management and their upcycled products 			✓
Post – Project Activity (Optional)			
<u>Spin-Off</u> <ul style="list-style-type: none"> ▪ Face-to-face exchange with partnering countries, if possible. 	✓	✓	✓

For further details about this online collaboration, please contact the coordinator directly

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