



ASEF Classroom Network #ASEFClassNet School Collaboration 2019

Proposal

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

Sustainable Development: Marine and Freshwater Resources

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

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3. School description (Max. 30 words)

Singapore polytechnic is a technical school with 45 full-time diploma courses and offers students a holistic, authentic and industry-relevant curriculum. It further encompasses innovative, vibrant learning spaces, and enriching overseas programmes. The students belong to the age group of 16 to 19 years.

St. Mark's Girls Senior Secondary School is a school exclusively for girls focusing on the academics, co-curricular and extracurricular activities for the overall development of a child. Special care is taken to instill self-discipline in their receptive minds. The school has a strength of around 2500 students in the age group of 3 to 17 years.

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

Oceans and seas cover more than two-thirds of the earth's surface, contributing to 97% of the planet's water and also regulate weather patterns. Warm ocean waters deliver energy to create storm systems that provide freshwater necessary for all living things on earth. For millions of people, healthy oceans provide food and livelihood.

The global community under the United Nations has a major plan for alleviating poverty. Healthy oceans play a key role in that plan, being a source of food, jobs and ample economic opportunities with the potential to uplift the poor. The 14th United Nations' Sustainable Development Goal emphasizes on conservation and sustainable use of oceans, seas and marine resources. The objectives of this project are to create awareness among students so as to appreciate the importance of marine & freshwater resources, understand marine & riverine ecosystems and their pivotal role in food production and learn about job opportunities. Furthermore, the project also aims to help participants explore the use of ICT

tools, provide a platform to learn and apply new ICT skills, thereby developing their digital capabilities. The project creates a virtual space for the teachers and students from different countries to interact with each other and appreciate one another's cultural values.

**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 checked="" type="checkbox"/> 3 Education | <input type="checkbox"/> Media |
| <input checked="" type="checkbox"/> 1 Environment & Sustainable Development | <input checked="" type="checkbox"/> 2 Science & Technology |
| <input type="checkbox"/> Others. Please specify below: | |

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

Start Date : 15 January 2019
End Date : 30 July 2019
Duration : 6 months

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

No. of Schools in total : 12
No. of Students in total : 60
Students Age Group : 14 - 19
Level of English : Intermediate
Level of ICT Skills : Intermediate

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

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

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 type="checkbox"/> Digital Projector	<input type="checkbox"/> Interactive Whiteboard	<input type="checkbox"/> Tablet
<input type="checkbox"/> Voice Recording Devices	<input type="checkbox"/> NA	
Others (please specify):		

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. Gain access to a platform that allows collaborative learning with other professionals from various countries across Europe and Asia.	1. Teachers will have enhanced skills of team management and ability to engage students of a diverse background on an online platform.
2. Develop pedagogical skills to become an effective teacher	2. Teachers can apply appropriate ICT tools to interact with other teachers and students and thereby improve digital-technology skills.
3. Acquire specific knowledge and skills needed to promote conservation of marine and riverine resources.	3. Teachers will be able to articulate their insights and views on sustainable development of marine and freshwater resources by means of correlation to their personal experiences.
Students will learn to:	For Students:
1. Appreciate different cultures	1. Through interaction and collaborative learning with students from various countries across Europe and Asia, students will develop soft skills such as teamwork.
2. Identify the issues pertaining to conservation of marine and freshwater ecosystems	2. Acquire specific knowledge on conservation of natural resources and skills required to promote sustainable development.
3. Improve their digital competencies	3. Learn and familiarize with appropriate ICT tools that enable them to become active and engaged learners.

11. Timeline and activities of the Online Collaboration

Description	Main Coordinator	Teachers	Students
Phase 1 (Jan to Feb 2019)			
<ul style="list-style-type: none"> Invite members to the working group 	✓		
<ul style="list-style-type: none"> Set-up a blog/Facebook account and Members introduce each other 		✓	✓
<ul style="list-style-type: none"> Connect working groups between Asian and European Schools 	✓	✓	
Phase 2 (Mar to April 2019)			
<ul style="list-style-type: none"> Do research and gather information on advantages of Marine and Freshwater resources and their economic benefits in the participants' countries. 		✓	✓
<ul style="list-style-type: none"> Upload gathered information on Facebook. 		✓	✓
<ul style="list-style-type: none"> Students will conduct surveys using google forms on conservation of marine and freshwater ecosystems. The results will be shared with others on Facebook. 			✓
Phase 3 (May to June 2019)			
<ul style="list-style-type: none"> Gallery walk in an exhibition that showcases research findings of participants from different countries. 		✓	✓
<ul style="list-style-type: none"> Collection of feedback on the gallery walk from the visitors and uploading on online platform 	✓	✓	
<ul style="list-style-type: none"> Learning journeys to different marine parks, marine and freshwater ecosystems in the respective countries of the participants to understand the dynamics of flora and fauna in various habitats. 		✓	✓
Phase 4 (End July 2019)			
<ul style="list-style-type: none"> Evaluation of the work done by the student participants and reminders to address any gap in the information flow. 	✓	✓	
<ul style="list-style-type: none"> Summarise participants' findings and make video clips, tables and graphs to upload on Facebook. 	✓	✓	
<ul style="list-style-type: none"> Students display their findings to their peers in the class/school 			✓

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



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