



ASEF Classroom Network #ASEFClassNet School Collaboration 2019

Proposal

1. Title of the Online Collaboration

Mathematics Mystery Unveiled

2. Name and contact details of project co-ordinators

Ms Monika SEHGAL
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3. School description

St. Mark's Girls Sr. Sec. School is an outstanding school for girls, with a multicultural emphasis that helps to create global citizens capable of facing the future with optimism. There are over 2700 students representing various religions and background.

4. Summary of the Proposed Online Collaboration

'Mathematics mystery unveiled' invites students from Asia and Europe to share the applications of mathematics in their daily lives and explore the unknown areas of mathematics. As teachers, we would love to share and learn the power that this subject provides one with, the true spirit of delight, the exaltation, the sense of being more than human, which is the touchstone of the highest excellence.

We will share the latest researches and how mathematics has always amused people with the beauty of its method, results, experience, philosophy, information theory and arts. The students and teachers from Asia and Europe will be able to get a better understanding of the subject and tackle misconceptions on various topics we deal with. Hopefully it will create a conducive environment and students will realise the real beauty of mathematics and love the subject even more.

We would also like to share videos and articles regarding any topics and will be open to discuss in detail and expand the horizons as mathematics extends to infinity. The students are encouraged to set a project based on mathematics and share it among the peers by producing videos, articles,

graphics and publish it through multimedia platforms. The videos and articles will be compiled in Blogspot or a website that can be shared with our community and the public. It will not only enhance student's ICT skills but also strengthen teamwork.

Join us for exploring how beautiful mathematics is.

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

6. Duration of the Online Collaboration :

Start Date : 1 January 2019
End Date : 31 July 2019
Duration : 7 months

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

No. of Schools in total : Flexible, Min : 3, Max: 20
No. of Students in total : Flexible, Min : 5, Max: 10, per school
Students Age Group : 13 - 18 years
Level of English : Intermediate
Level of ICT Skills : Intermediate

8. ICT tools/software required

- | <u>Word processing software</u> | <u>Video conference tools</u> | <u>Storage tools</u> |
|--|---|--|
| <input type="checkbox"/> Adobe Acrobat Reader | <input checked="" type="checkbox"/> Skype | <input checked="" 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 |

- Scribd
- Wordpress

- Wechat

Social media

- Ask.fm
- Facebook
- Flickr
- Instagram
- Pinterest
- Tumblr
- Twitter
- Weibo

Image editing software

- Adobe Illustrator
- Adobe Lightroom
- Adobe Photoshop
- BeFunky (online)
- Sketch (Mac only)

Online collaboration

- Mindmeister
- Slack
- Telegram
- Trello

Video/audio editing software

- Adobe Premiere
- Audacity
- Garageband (Mac only)
- Soundcloud
- Windows Movie Maker
- Youtube

Presentation

- Google slides
- Microsoft Powerpoint
- Prezi

App development

- Adobe Flash builder
- Alpha Software
- Appy Pie

Others (please specify):

9. Other resources needed:

- Camera
- Desktop Computer/Laptop
- Digital Projector
- Voice Recording Devices
- E-reader
- GoPro
- Interactive Whiteboard
- NA
- OHP
- Smart Phones
- Tablet

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. Share knowledge on the applications of mathematics in real life	1. Sharing articles and videos on the mystery/beauty of Mathematics
2. Create a better network and intercultural understanding between teachers from Asia and Europe	2. New network among teachers from Asia and Europe
3. Increase ICT skills	3. Skills on using ICT and tools for online projects
Students will learn to:	For Students:
1. Understand the subject and enjoy mathematics	1. Sharing articles, videos and projects/models made during their school exhibitions or fairs
2. Use tools and ICT for online collaboration	2. Online discussion on Facebook and Blogspot and use ICT tools to produce videos
3. Work as a team and enhance multicultural understanding	3. Video and presentations of their conclusions and research. They will also create a new network amongst themselves

11. Timeline and activities of the Online Collaboration

	<u>Main Coordinator</u>	<u>Teachers</u>	<u>Students</u>
Phase1 (Jan 2019)			
▪ Set-up Facebook group and invite members to the group	✓		
▪ Self-introduction by all participating members		✓	✓
▪ Match the Group works between Asian and European Schools	✓		
Phase 2 (Feb to April 2019)			
▪ Research and share information found in their country			✓
▪ Upload information on online platform			✓
Phase 3 (May to June 2019)			
▪ Showcase of the research in the respective countries through an exhibition/fair/class activity		✓	✓
▪ Record videos and upload on online platform			✓

Phase 4 (July 2019)			
<ul style="list-style-type: none"> ▪ Feedback and evaluation 	✓	✓	✓

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



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