

June 01, 2021

Outline of global PBL "Making Chemistry- Magic Movie"

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Overview: Putting together an international student team to create a video that will get high school students interested in chemistry.

Objective:

- Ability to communicate the interesting aspects of chemical phenomena to non-specialists.
- Ability to work with students of different languages and customs to achieve the objectives.
- Rediscovery of the fun of chemistry.

Procedure

- (1) Form an international team of Indonesians, Taiwanese, and Japanese.
- (2) We will devise a magic trick that will interest high school students in chemistry and chemical engineering.
- (3) The following restrictions apply to the chemical magic video.
 - The camera must be fixed and must work continuously.
 - The duration of the performance must not exceed 90 seconds.
 - The total cost must be less than US\$20.
 - The use of legally designated poisonous or dangerous substances is prohibited.
- (4) Make a movie explaining the trick and principle of the magic (within 300 seconds).
- (5) Publish the two movies on YouTube.
- (6) The two movies will be evaluated by high school students from the three participating countries.

Schedule

June- Middle July: Recruiting Participants

July 24 (Sat) 19:00-20:00 JST Guidance of gPBL and announcement of the team division

<https://shibaura-it.zoom.us/j/97498129506?pwd=cExvWmZ6aFhYZ2pyV2wwd1BoTUpoZz09>

Meeting ID: 974 9812 9506

Passcode: 059898

* This meeting will be recorded. Thus, if you cannot attend you can refer afterward. But if you have question, it is helpful for us to ask at the guidance.

Jul 31 (Sat) 18:00-19:00 JST **Introduction of your partners in the team.**

Aug 7 (Sat) 10:00-17:00 Mutual explanation of the idea with another team

Aug 21 (Sat) Upload the animation pf the magic and animation

Aug 23-Sep 2 Evaluation by students

Sept 4 (Sat) Certification, Award, Zoom party

If you have question feel free to ask.