

Conclusions NASE COURSE

Bandung, South Korea, 2021

Most of participants likes the workshops. We collect some comments from them:

It is good to know and to ensure that it is very important to emphasize observation carefully while student doing activities. However, the current astronomy education in Korea emphasizes theoretical contents more such as the evolution of stars and cosmology rather than the contents of astronomical observation. It would be nice if contents of activities (hands-on) for stellar evolution and cosmology are introduced.

Thank you very much for the workshop and for the organizer. Specially, translation in Korean was helpful to understand the workshop. It was very impressive to see the original shadows and half shadows of the solar eclipse created on the Earth model by more than 2 meters away. I think foreign countries are different in that they place importance more on student activities than lectures compared to Korea. It has been an opportunity for me to reflect on the practice of lecture-based teaching of difficult, advanced content in class.

It can be said that it is a junior high school (middle school) level activity in our country, but it was helpful because there are simple activities that general high school students can do together when learning related parts in classroom.

Although in our curriculum, the coordination part is introduced in optional subject and therefore there might not be chance to learn the coordination system for all students, but it would be still excellent activities for astronomical club activities or science club-related activities of common high school students. Other topics are as simple as in training and it has been an opportunity to think about ways to make tools and try them.

Thank you for giving a passionate lecture. ^^

1. Program Content: It seems to be suitable for elementary to junior high school activities.
2. Technical Issue: it would be nice that the worksheet for hands on activity has higher resolution in PDF files.
3. Moon Phase Change Worksheet 1: It might be the activity that one can have misconceptions about the synchronous rotation of the moon. I think we would better to explain it more during activity.
4. Training Utilization: I plan to apply it for the part of training course for teachers in elementary and secondary schools by the Office of Education in our city.

First of all, I would like to express my gratitude to all of you, including In-Ok Song, who planned and operated this program. I thought I have done a lot of activities, but I realized that it was kind of teacher-centered classes still. However, through this program I felt the workshop is surely student-centered teaching methods. It has been asked to me by myself..... Is it good to deal a lot of knowledge in class, still? or Is it good to have activities... I have many thoughts at the moment.

I plan to use this program for the gifted class (Middle 3) run by the Office of Education in our city.

Always thank you and be healthy!

Thank you very much for helpful and nice workshop. The part that I usually miss while teaching astronomy was well caught by Dr. Rosa, such as 2D celestial sphere in textbook versus looking from the outside... The observable 3D part was excellent through activities on the surface of the Earth where we stand. 'The ruler to measure angle' was also impressive. I have tried to find the effective way to teach 'an angle' on the sky and the workshop was great help to the methods. Thank you very much.

One thing for the local organizer, the contents of coordination system appears in high school and it would be nice to think how it fit into in our curriculum.

It seems easy to apply because the manufacturing method is simple and the freedom of preparation is abundant. Thanks to both Rosa and the rest of the management staff and it would be even better if I had time to meet in person offline to share and discuss the experimental methods and technical knowledge. Thank you.