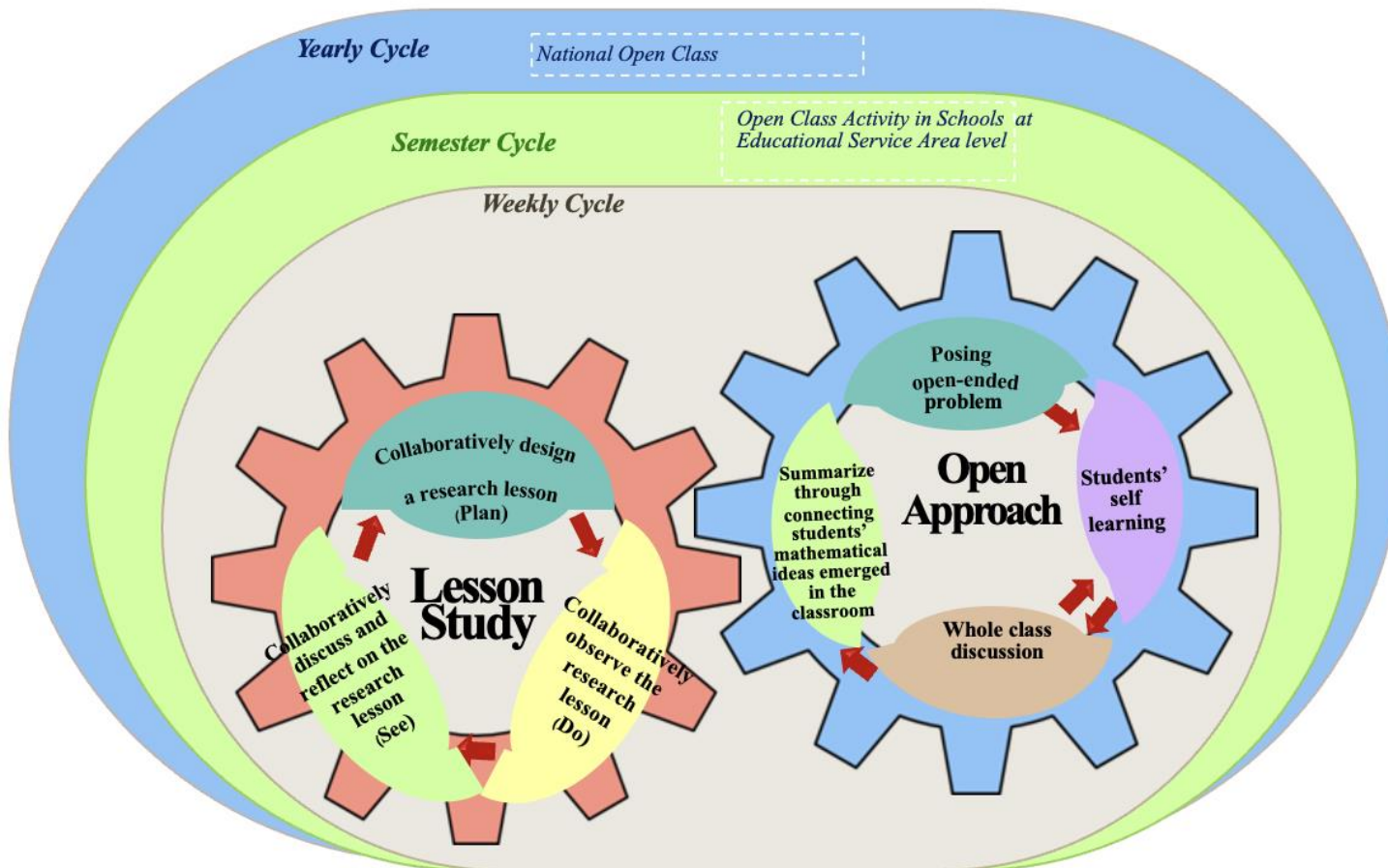


Capacity Building for Teacher Training through TLSOA by using the Open Class

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TLSOA: Thailand Lesson Study and Open Approach



LS model, Prof. Maitree inprasitha incorporates OA that emphasizes a “a unique collaboration” in every step of LS cycle. The weekly cycle in school is very important and the unit of analysis is the “Classroom”.

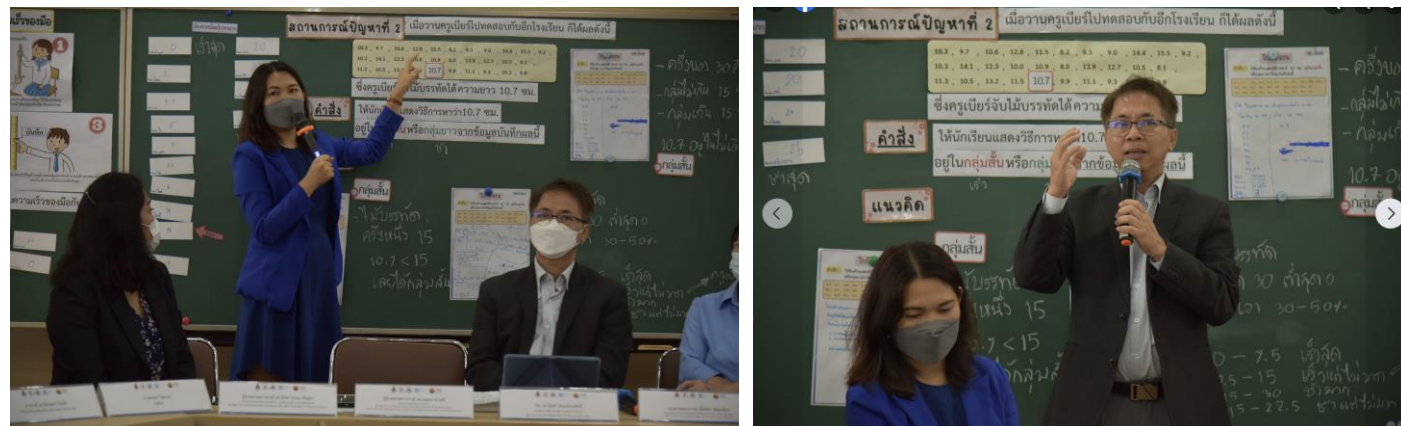




The Open Class in this model refer to **open the classroom to share their practices** with LS team and invited other people such as in-service teachers, pre-service teachers, principal and experts to observe a class in the same front line.

The Open Class start with LS team present the mainpoint of lesson plan. One of LS team teach by using Open Approach. All participants observe the class together. After finish the class, it's a time to reflection.

We use these process as teacher traing in the sense of on the job training.



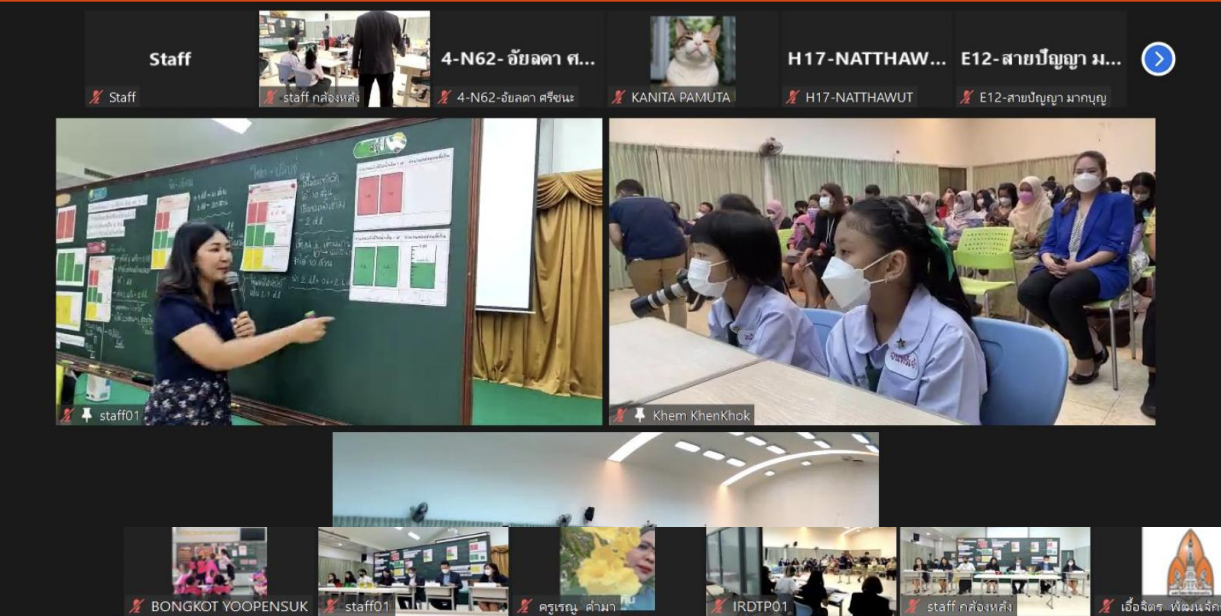
According to Wenger (1998) gives a simple definition: “Communities of practice are groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly.” So, we could define Open Class as a community of practice that include three components of CoPs.

There are three required components of CoPs:

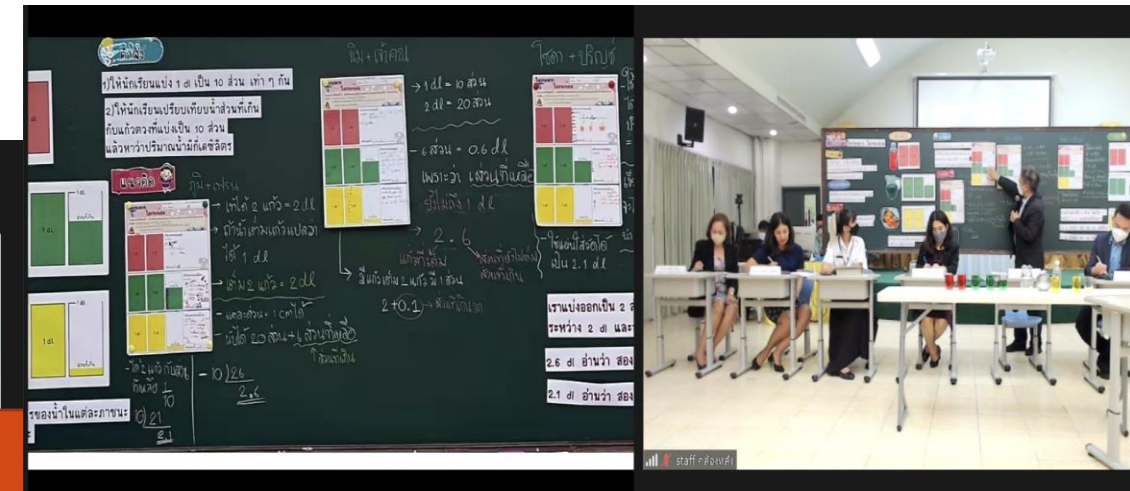
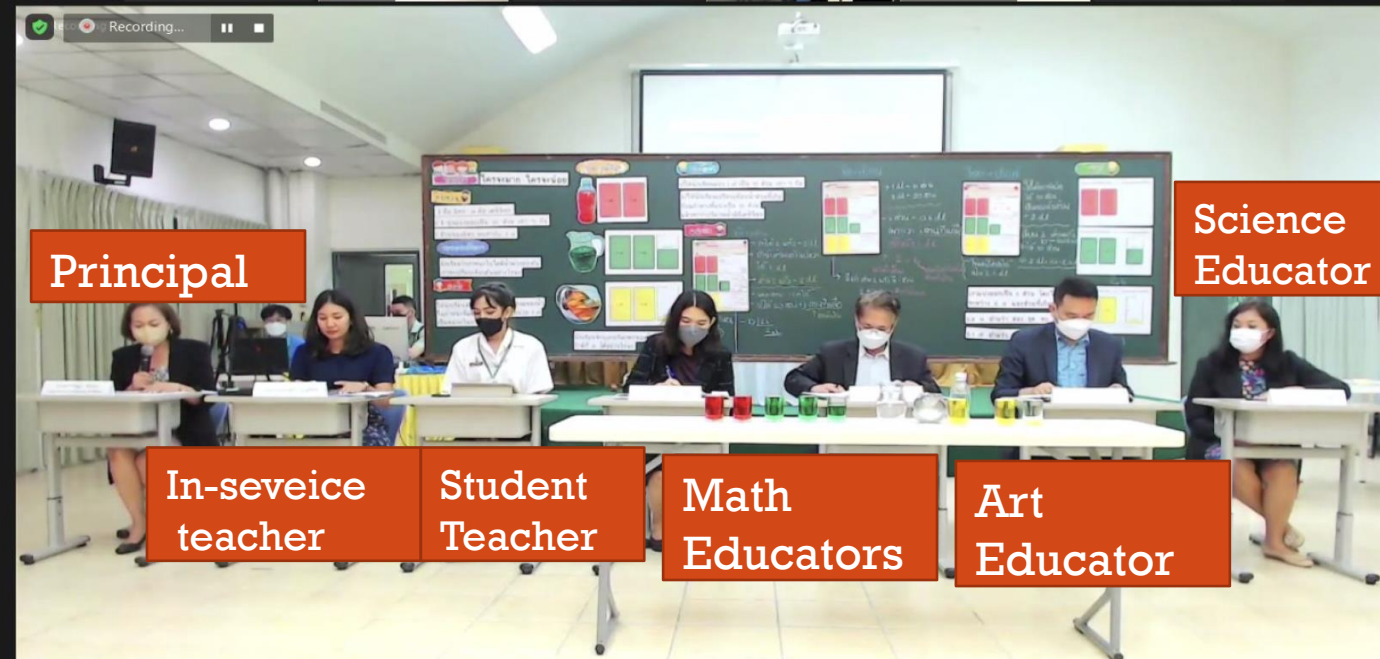
1. *A domain.* The domain of Open Class is how to improve classroom by using TLSOA.
2. *A community.* The member of this community is LS team and other member. The members are included in-service teachers, pre-service teachers, principal, experts from university and other participants who engage in Open Class.
3. *A practice:* The third is that the members are practitioners. They open their classroom to share how to enhance students' higher order thinking, teacher's roles, students' ideas and so on based on their classroom and reflection from members such as an expert.



Open Class in semester cycle at collaborative school in Phuket Province.



A domain is decimals number. The member include LS team and 130 participants who engage in on-site and online Open Class. LS team open their classroom to all participant. The reflection from LS team and experts is very powerful to improve this lesson.



OPEN CLASS IN SCIENCE



SERIES LESSONS ON BALANCE

- Lesson 1: the relation between weight and distance from the fulcrum to make the balance.
- Lesson 2: Create the weighing scale balance to measure and find the different weights of objects using their own unit.



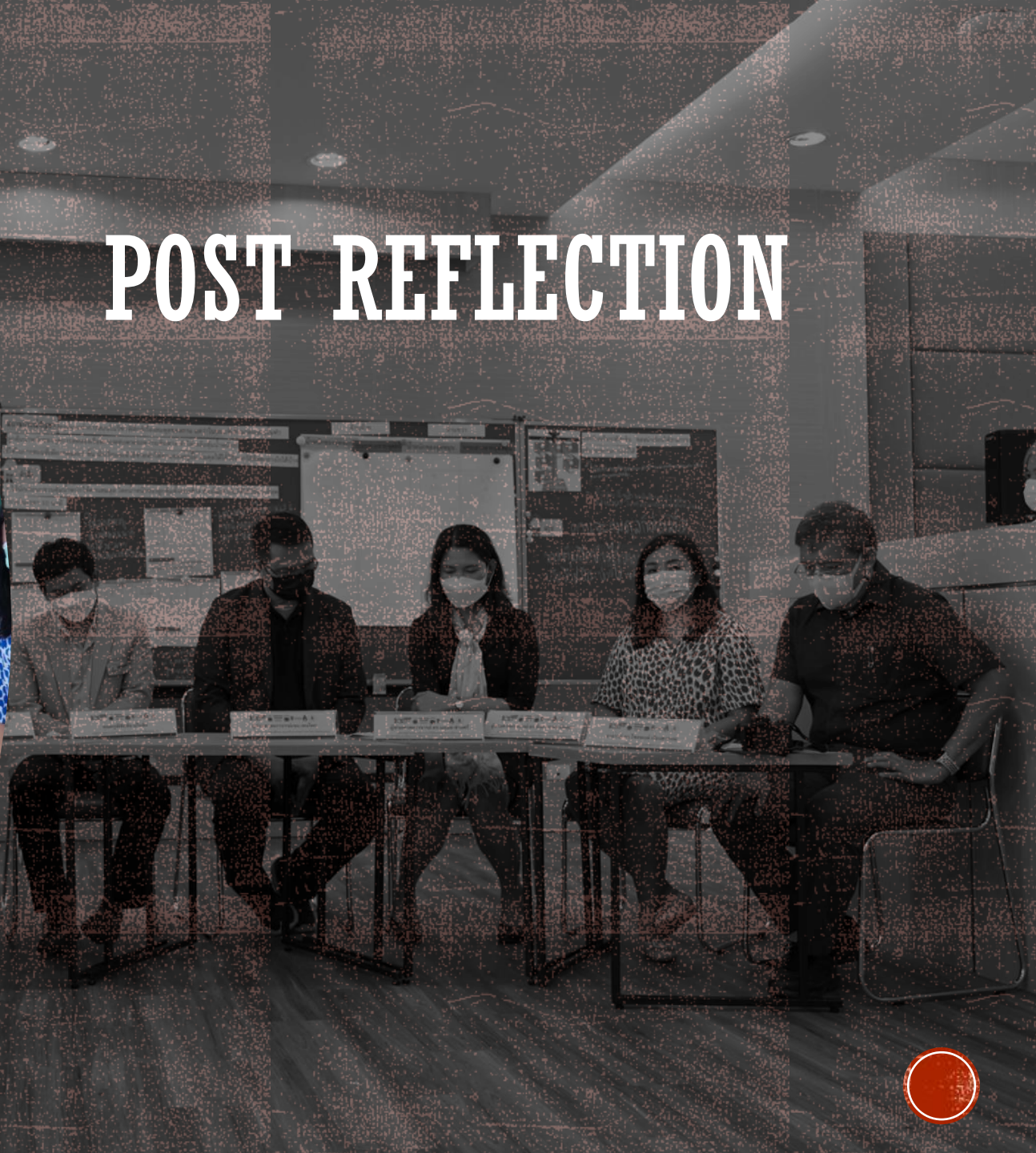


LEARNING COMMUNITY

- Students
- In service Teachers
- Student Teachers
- Pre-service Teachers
- Teacher Educators



POST REFLECTION





PRE-SERVICE TEACHER AS A TEACHER OF THIS CLASSROOM

- Classroom success following the objective of the lessons.
- Event students can't link concepts well from the lesson 1 to create a tool in lesson 2 but they can solve the problem by sharing with classmate.





IN-SERVICE TEACHER AS THE TEAM OF LESSON STUDY

- There were arguments about science concepts among students when they presented how to create and measure the weight of the objects to their classmates.
- I am so happy.

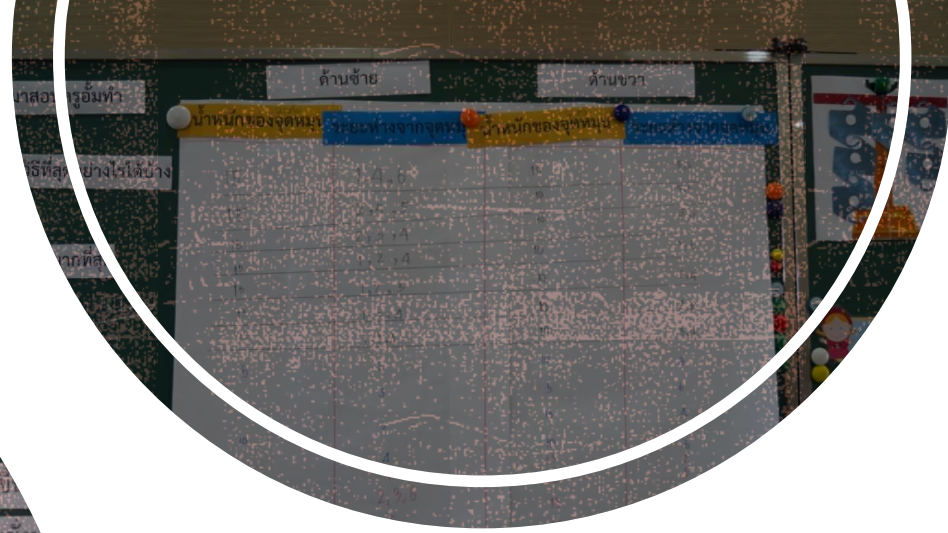




TEACHER EDUCATOR AS THE EXPERT IN ART

- Sense of balance in picture is not relate to real world.





TEACHER EDUCATOR AS THE EXPERT IN MATHEMATICS

- The students didn't have enough time to analyze data and generate the relationship between distance and weight.





TEACHER EDUCATOR AS THE EXPERT PHYSCEICS

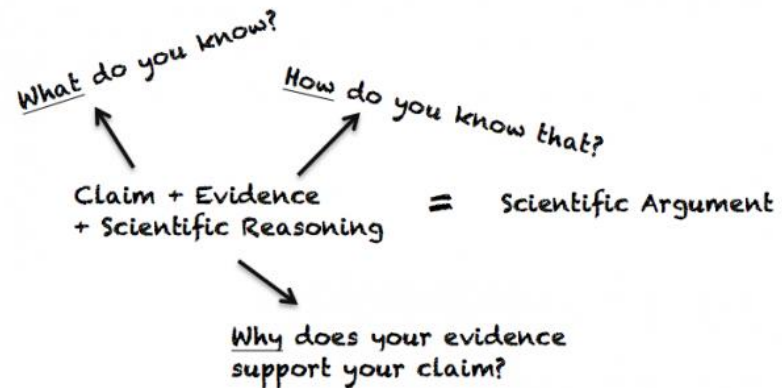
- The student faced with a problem in lesson 2 because they can't link the fulcrum concept to create the balance.





TEACHER EDUCATOR AS THE EXPERT IN SCIENCE EDUCATOR

- At the end of both lessons, in there is a flow of lessons for students to revise their understanding and evaluate their thinking as a metacognitive process.
- In the classroom, the student shared how to solve problems not only the answer to the problem.
- Scientific argumentation happened when the student link claim, evidence, and scientific reasoning together.





LEARNING COMMUNITY IN OPEN CLASS

- open classroom for many people to learn together about how students learn the lesson. To improve everyone's perspective in many dimensions, in the post-reflection activity the community needs to share what have you learned and suggestions to improve the lesson. Therefore, everyone who attends the open class can learn from observation and reflection in the classroom.



THANK YOU

