

MONITORING AND EVALUATION OF LESSON STUDY ACTIVITIES

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Basic Concept of Monitoring and Evaluation: A quick review

- What is monitoring and evaluation?
- Why do monitoring and evaluation in lesson study?
- How this can be done effectively and efficiently?

Key Aspects of monitoring and evaluation

- **mathematics learning** (Take a research lesson)
 - students' interactions
 - students' worksheets
 - misconceptions
 - group differentiation
 - ??
- **lesson study activity**
 - classroom situation
 - school management
 - maintenance of each step
 - collaboration among participants
 - ??

Major Method of Monitoring and Evaluation in Lesson Study

- Observation
 - anecdotal records
 - scale rating
- Documentation
 - video
 - photos
 - students' worksheets
 - lesson plans
- Questionnaire
 - assess the lesson study cyclic

WORKSHEETS (3 hours)

- **Activity 1. Developing Evaluation Indicators and Observation Sheet**
- **Activity 2: Understanding Observation Sheet**
- **Activity 3: Understanding observation manual**
- **Activity 4. Understanding reflection sheet**
- **Activity 5: Understanding monitoring and evaluation the lesson study cyclic**

Activity 1. Developing Evaluation Indicators and Observation Sheet

- Objective : Participants develop indicators in line with the learning goals and focus of the discussion
- Method : Participants identify what they want to look for specifically during the lesson observation by depicting points of evaluation in each step of student learning.
- Task: State the research lesson, the lesson goals (either current goal or long term goal) and focus of the observation. Complete the following table and discuss what kind of data must be collected during observation in order to conduct meaningful discussions

Learning Sequence	What do we want to look for during the lesson observation
Introduction	
Main Activity	
Conclusion	

OBSERVATION SHEET
MATHEMATICS LEARNING ACTIVITY IN A LESSON STUDY

A. When do students start concentrating for studying?

(must be based on the real facts observed in the classroom and mention the name of the student)

B. When do students stop concentrating in studying?

(must be based on the real facts observed in the classroom and mention the name of the student)

C. What do you learn mostly from the observation?

School/Grade :

Date :

Subject Matter :

Observer :

Teacher :

Supervisor :

Activity 2: Understanding Observation Sheet

- Objective : Participants understand what should be written in the observation sheet, what data should be collected and how much data is expected
- Method : Participants watch a video of mathematics learning and try the observation sheet with indicators developed in activity 1.
- Task : Complete the following table based on the result on activity 1 and then watch carefully the video and make note in the table provided.

Activity 3: Understanding Observation Manual

- Objective : Participants understand on what should do and should not do while observing or documenting students in classroom
- Method : Participant discuss in a small group of four to six about the topic then watch videos or pictures showing observers, video takers or photographer in a classroom
- Task : Watch carefully the pictures/videos and identify what should do and should not do while observing or documenting students in classroom.

SHOULD NOT DO WHILE OBSERVING

SHOULD DO WHILE OBSERVING

Activity 3. Understanding reflection sheet

- Objective : Participants understand on how to gather information from other observer and value the most important facts
- Method : Participant discuss in a small group of four to six about the findings
- Task : Complete the following table.

Observed Group : _____

Indicator:	
My observation	
Others' findings	
Conclusion	
Indicator:	
My observation	
Others' findings	
Conclusion	
Indicator:	
My observation	
Others' findings	
Conclusion	

Activity 4: Understanding monitoring and evaluation the lesson study cyclic

- Objective : Participants understand the questionnaire sheet for monitoring and evaluation the lesson study cyclic in overall
- Method : Participants discuss to identify what aspects should be monitored and evaluated in a lesson study cyclic
- Task : Complete the following table

Steps	Think the ideal condition in every step!
Plan	
Do	
See	