

CLASSROOM OBSERVATION

Impact Evaluation of Science Education Initiative's Fellowship Program
Abdul Latif Jameel Poverty Action Lab (J-PAL) South Asia

I. GENERAL INFORMATION

[Arrive at least 10 minutes before the class is scheduled to begin. Complete this section before you enter the class.]

1. Surveyor name:
 - a. _____
2. Surveyor ID:
 - a. _____
3. Zone:
 - a. _____
4. School ID:
 - a. _____
5. Re-enter school ID:
 - a. _____
6. Is this an SEI classroom? *[Check the sheet provided by your supervisor]*
 - a. Yes
 - b. No
7. What is the class duration (in minutes) as per the school timetable
 - a. 120 minutes (SEI classroom)
 - b. 30 minutes (PMC teacher classroom)
8. What is the class start time as per the school timetable?
 - a. _____ : _____ (hh:mm)

[Enter the classroom. If the teacher(s) is present, introduce yourself and confirm the grade, section, and subject of the class.]

9. Grade *[Check the sheet provided by your supervisor and verify with the teacher]*
 - a. Grade 5
 - b. Grade 6
10. Section *[Check the sheet provided by your supervisor and verify with the teacher]*
 - a. Only one section
 - b. Section A
 - c. Section B
11. Subject *[Check the sheet provided by your supervisor and verify with the teacher]*
 - a. Math
 - b. Science
12. Do you have a copy of the lesson plan?
 - a. Yes
 - b. No

II. INFORMED CONSENT

[If the PMC teacher and/or SEI teacher are present, introduce yourself and then read out the following statement to the teacher(s) and request them for consent to conduct the survey. Secure consent before starting the classroom observation.]

Good morning/afternoon, I am [-----] and I work at the Abdul Latif Jameel Poverty Action Lab (J-PAL) South Asia. We are an independent research organization conducting a study about SEI teachership Program. As part of the study, I would like to observe your class today to learn more about the experiences of teachers and students in this school.

Your participation in this study is completely voluntary and you are free to choose whether to be in it or not. If you choose to be in this study, you may subsequently withdraw from it or ask me to leave at any time without penalty or consequences of any kind. Your decision to participate in our study will not affect your relationship or the school's relationship with SEI.

We plan to evaluate the effectiveness of the SEI program and to understand policies and programs that can improve student learning in science and math. The *Pune Shikshan Mandal* has already granted permission for this research in PMC schools.

If you agree to participate in this study, we would ask to observe your class session today and at a later point in the school year. When observing your class, I will sit in the back of the class and observe silently. I will not engage with the students and I will not disturb the class in any way.

There are no known risks associated with your participation in this research.

Any information that is obtained in connection with this study and that can be identified with you will remain confidential and will be disclosed only with your permission or as required by law. You will not be personally identified in any report or publication. Our reports will simply show the averages from all study participants.

If you have any questions or concerns about the research or wish to report a research-related problem, please contact Mustufa Patel at J-PAL South Asia +91 9892746264. J-PAL's offices are located at AADI, 2 Balbir Saxena Marg, Hauz Khas, New Delhi.

Do you have any questions for me about the research? *[If yes, answer the teacher's questions.]*

I would now like to invite you to participate in this study.

Do you agree to participate in our study?

13. Is there a PMC teacher in the classroom at the start of the class?

- a. Yes
- b. No

14. Did the PMC teacher provide consent?

- a. Yes
- b. No

15. Why did the teacher not let you observe?

- a. _____

16. Is there a SEI teacher in the classroom at the start of the class?

- a. Yes

b. No

17. Did the SEI teacher provide consent?

- a. Yes
- b. No

18. Why did the SEI teacher not let you observe?

a. _____

[If the teacher will not let you observe, return to speak to the principal. If possible, return to observe the class with the principal's assistance. If this is not possible, make a note of the missed observation and report it to your manager.]

III. ATTENDANCE

[After obtaining consent, find a seat at the back of the class. You should be able to clearly see all students and the teacher.]

19. How many boys are present at the start of class?

a. _____

20. How many girls are present at the start of class?

a. _____

IV. SNAPSHOTS

IV.1 SEI Classrooms

[Every 6 minutes, you will be asked questions about what is happening in the classroom. One set of questions will be about SEI teacher. The other set of questions will be about the PMC teacher. Every time you answer a new set of questions, double-check you are referring to the correct teacher.]

Record only what is happening at the instant that the questions begin. This should be a “snapshot” of what is happening – not what took place over the entire 6 minute interval.]

Section A: SEI teacher

21. What subject is being covered right now?

- a. Math
- b. Science
- c. Other, please specify:

22. What is the SEI teacher doing?

- 1. Reading out loud
- 2. Explanation/lecture
- 3. Interactive demonstration
- 4. Question and answer/discussion
- 5. Practice and drill
- 6. Assignment/class work
- 7. Copying
- 8. Providing instructions
- 9. Discipline

10. Classroom management with students
 11. Classroom management alone
 12. Game
 13. Social interaction between fellow and students
 14. Social interaction with another adult
 15. Fellow not involved
 16. Fellow out of classroom
23. What kind of game is the SEI teacher playing with students?
- a. Practice/Revision
 - b. Classroom management
 - c. Other
24. What material is the SEI teacher using for the activity?
- a. No materials
 - b. Textbooks
 - c. Notebooks/writing material
 - d. SEI question bank
 - e. Blackboard
 - f. Learning aids
 - g. ICT
 - h. Group activity
25. How many students are engaged in the activity with the SEI teacher?
- a. No students
 - b. One student
 - c. 2 to 5 students
 - d. 6 or more students
 - e. All students
26. For students engaged in the activity with the SEI teacher, what materials are they using?
- a. No materials
 - b. Textbooks
 - c. Notebooks/writing material
 - d. SEI question bank
 - e. Blackboard
 - f. Learning aids
 - g. ICT
 - h. Group activity
27. For students NOT engaged with the SEI teacher, what activity are they doing? *[Select all that apply]*
- a. Reading out loud
 - b. Explanation/lecture
 - c. Interactive demonstration
 - d. Question and answer/ discussion
 - e. Practice and drill
 - f. Assignment/ class work
 - g. Copying
 - h. Social interaction
 - i. Student(s) not engaged
 - j. Classroom management

28. For students engaged in this activity _____, what material(s) are they using?
- No materials
 - Textbooks
 - Notebooks / writing material
 - SEI question bank
 - Blackboard / whiteboard
 - Learning aids
 - ICT
 - Group activity

Section B: PMC teacher

29. What subject is being covered right now?
- Math
 - Science
 - Other
30. What is the PMC teacher doing?
- Reading out loud
 - Explanation / lecture
 - Interactive demonstration
 - Question and answer/ discussion
 - Practice and drill
 - Assignment/class work
 - Copying
 - Providing instructions
 - Discipline
 - Classroom management with students
 - Classroom management alone
 - Social interaction between teacher and students
 - Social interaction with another adult
 - Observing fellow's teaching
 - Commenting or expanding on fellow's teaching
 - Teacher not involved
 - Teacher out of classroom
31. What material is the PMC teacher using for the activity?
- No materials
 - Textbooks
 - Notebooks / writing material
 - SEI question bank
 - Blackboard / whiteboard
 - Learning aids
 - ICT
 - Group activity
32. How many students are engaged in the activity with the PMC teacher?
- No student
 - One student
 - 2 to 5 students
 - 6 or more students
 - All students

33. For students engaged in the activity with the PMC teacher, what materials are they using?
- No materials
 - Textbooks
 - Notebooks / writing material
 - SEI question bank
 - Blackboard / whiteboard
 - Learning aids
 - ICT
 - Group activity
34. For students NOT engaged with the PMC teacher, what activity are they doing? *[Select all that apply]*
- Reading out loud
 - Explanation/lecture
 - Interactive demonstration
 - Question and answer/ discussion
 - Practice and drill
 - Assignment/ class work
 - Copying
 - Social interaction
 - Student(s) not engaged
 - Classroom management
35. For students engaged in this activity _____, what material(s) are they using?
- No materials
 - Textbooks
 - Notebooks / writing material
 - SEI question bank
 - Blackboard / whiteboard
 - Learning aids
 - ICT
 - Group activity

IV.II PMC Classrooms

[Follow the clock on your tablet. Every 3 minutes, record what is happening at that instant. It is intended to be a “snapshot” of what is happening – not what took place over the entire 3 minute interval.]

36. What subject is being taught right now?
- Math
 - Science
 - Other
37. What is the teacher doing?
- Reading out loud
 - Explanation / lecture
 - Interactive demonstration
 - Question and answer/ discussion
 - Practice and drill
 - Assignment/class work
 - Copying
 - Providing instructions
 - Discipline

10. Classroom management with students
 11. Classroom management alone
 12. Social interaction between teacher and students
 13. Social interaction with another adult
 14. Teacher not involved
 15. Teacher out of classroom
38. What material is the teacher using for the activity?
- a. No materials
 - b. Textbooks
 - c. Notebooks / writing material
 - d. Blackboard / whiteboard
 - e. Learning aids
 - f. ICT
 - g. Group activity
39. How many students are engaged in the activity with the teacher?
- a. No student
 - b. One student
 - c. 2 to 5 students
 - d. 6 or more students
 - e. All students
40. For students engaged in the activity with the teacher, what materials are they using?
- a. No materials
 - b. Textbooks
 - c. Notebooks / writing material
 - d. Blackboard / whiteboard
 - e. Learning aids
 - f. ICT
 - g. Group activity
41. For students NOT engaged with the teacher, what activity are they doing? *[Select all that apply]*
- a. Reading out loud
 - b. Explanation/lecture
 - c. Interactive demonstration
 - d. Question and answer/ discussion
 - e. Practice and drill
 - f. Assignment/ class work
 - g. Copying
 - h. Social interaction
 - i. Student(s) not engaged
 - j. Classroom management
42. For students engaged in this activity _____, what material(s) are they using?
- a. No materials
 - b. Textbooks
 - c. Notebooks / writing material
 - d. Blackboard / whiteboard
 - e. Learning aids
 - f. ICT
 - g. Group activity

V. CLASS END

43. At what time did the class actually end?
_____ : _____ (hh:mm)
44. How many boys are present at the end of class?
a. _____
45. How many girls are present at the end of class?
a. _____

VI. CLASSROOM DESCRIPTION

46. Which of the following materials are available in the classroom? *[Select all that apply]*
- a. Blackboard
 - b. Whiteboard
 - c. Chalk/markers
 - d. Textbook for teacher
 - e. Textbooks for students
 - f. SEI question banks
 - g. Laptop
 - h. Digital whiteboard
 - i. LCD projector
 - j. Television
 - k. Science/math equipment
 - l. Maps
 - m. Charts/posters
 - n. Toys/games
 - o. None of the above
47. How many students in the class had a SEI question bank on their desk?
- a. None or almost none
 - b. Less than half
 - c. About half
 - d. More than half
 - e. All or almost all
48. How many students were wearing uniforms?
- a. None or almost none
 - b. Less than half
 - c. About half
 - d. More than half
 - e. All or almost all
49. Is there evidence of working electricity? *[For example, are the lights on? Is the fan is working?]*
- a. Yes
 - b. No
50. Are any students seated on the floor?
- a. Yes
 - b. No
51. Can you clearly hear the teacher from the back of the room?
- a. Yes

b. No

52. Can you hear a teacher or students speaking from another classroom?

- a. Yes
- b. No

53. Can you hear any other noises outside the classroom? *[For example, cars, ambulances, etc.]*

- a. Yes
- b. No

[After the class ends, find a quiet spot to complete the rest of the survey. Ask the teacher if it might be possible to stay in the classroom. Otherwise, find another location in another room or the hallway.]

VII. SCRIPTED LESSONS

54. Did the teacher ask most of the questions in the script that say “Ask:” and “CFU:”?

- a. Yes
- b. No
- c. N/A

55. Did the teacher write the parts of the script that said “Write:” in bold?

- a. Yes
- b. No
- c. N/A

56. Did the teacher do all of the activities indicated in the script? *[Marked as “Activity” in bold]*

- a. Yes
- b. No
- c. N/A

57. If the script indicated “Materials required” for a lesson, did the teacher provide these materials for students?

- a. Yes
- b. No
- c. N/A

58. Did the teacher exclude any portions of the lesson plan?

- a. Yes
- b. No

59. Did the teacher change or phrase differently any parts of the lesson plan? *[For example, rephrasing portions to better fit students’ understanding]*

- a. Yes
- b. No

60. Did the teacher add to or expand any portion of the lesson plan? *[For example, extending a portion of the lesson beyond the allotted time, or pausing a lesson, to further explain a concept the students did not understand]*

- a. Yes
- b. No

VIII. TEACHING ACTIVITY

[For questions that refer to “the teacher,” please answer the questions based on the SEI teacher if there is one. If there is no SEI teacher, respond based on the regular PMC teacher.]

61. What language did the teacher speak the majority of the time?
 - a. English
 - b. Hindi
 - c. Marathi
 - d. Other: _____
62. How many students were making eye contact with the teacher throughout the lesson?
 - a. None or almost none
 - b. Less than half
 - c. About half
 - d. More than half
 - e. All or almost all
63. Did the teacher teach from one particular spot in the classroom, or did he/she move around the classroom throughout the lesson?
 - a. Teacher stayed in one spot
 - b. Teacher moved around the classroom
64. Did the teacher sit for an extended period of time without engaging with the students?
 - a. Yes
 - b. No
65. Did the teacher answer their phone or use their phone for non-teaching purposes during the observation period?
 - a. Yes
 - b. No
66. How many students did the teacher call on by name while teaching?
 - a. None or almost none
 - b. Less than half
 - c. About half
 - d. More than half
 - e. All or almost all
67. When the teacher asked students questions, which section of the class did he/she usually call on?
 - a. Front of the class
 - b. Middle of the class
 - c. Back of the class
 - d. Teacher regularly called on all sides of the class
 - e. Teacher did not ask questions
68. When the teacher asked students questions, did he/she call on boys or girls more often?
 - a. Boys
 - b. Girls
 - c. Teacher called on boys and girls equally
 - d. N/A – only one gender in the class
 - e. Teacher did not ask questions
69. Did the teacher ask mostly “closed” questions (required yes/no or one-word answers from students) or “open” questions (required longer responses from students)?
 - a. Mostly closed questions

- b. Mostly open questions
 - c. Equal mix of closed and open questions
 - d. Teacher did not ask questions
70. Did the teacher ask any student to justify or explain his/her answers?
- a. Yes
 - b. No
 - c. N/A
71. When students answered questions, did the teacher praise them or offer encouragement? *[For example, saying “good job” or “good try”]*
- a. Yes
 - b. No
 - c. N/A
72. Did the teacher correct any of students’ answers?
- a. Yes
 - b. No
 - c. N/A
73. Was the teacher noticeably upset when a student provided an incorrect answer? *[For example, shouted at students, hit them, etc.]*
- a. Yes
 - b. No
 - c. N/A
74. Did the teacher give students an opportunity to ask questions about the lesson?
- a. Yes
 - b. No
75. How many students asked questions?
- a. None or almost none
 - b. Less than half
 - c. About half
 - d. More than half
 - e. All or almost all
76. Did the teacher smile, joke, or laugh with the students?
- a. Yes
 - b. No
77. Did the students use a chant, cheer, or song with the teacher’s prompting?
- a. Yes
 - b. No
78. Did the teacher hit, pinch, or slap a student?
- a. Yes
 - b. No
79. Did the teacher shout, make threats or use aggressive or harsh language with the students? *[For example, saying “I will hit you”]*
- a. Yes
 - b. No

80. Did the teacher assign work and expect students to complete it independently?
a. Yes
b. No

81. Did the teacher give individual help to students?
a. Yes
b. No

82. Did the teacher assign students homework at the end of class?
a. Yes
b. No

83. Did the teacher summarize the lesson at the end of class?
a. Yes
b. No

IX. END

84. Did the PMC teacher come to class at any point during the SEI lesson?
a. Yes
b. No

85. Did the PMC teacher ever interject while the SEI was teaching? *[For example, to expand on or correct something that the SEI teacher said]*
a. Yes
b. No

86. Who did the majority of the teaching?
a. SEI teacher
b. PMC teacher
c. SEI teacher and PMC teacher taught the lesson together

87. Did the PMC teacher shout, make threats or use aggressive or harsh language with the students?
a. Yes
b. No

88. What is the name of the PMC teacher?
a. _____

89. What is the name of the SEI teacher?
a. _____

90. Notes:
