Graduate School of EDUCATION

Mathematical Agency Improvement Community

Abolishing the phrase "I'm not a math person."

Research Lesson Memorialization Document

Team Members

Lesson Date:	**Research Lesson Instructor:**	**Grade Level:**

Summary Box # 1: Title of the Research Lesson

Summary Box # 2: The Research Question

The problem of practice our team explored

Summary Box # 3: Your Team's Theory of Action

The long-term goals for our students and how we will get there

Resource adapted from:

The Lesson Study Group
at Mills College

Summary Box #4: The Research Lesson Topic

Summary Box #5: Background and Research on the Content Topic

Summary Box #6: Relationship of Unit Standards

Prior learning standards that unit builds on	Learning standards for this unit	Later standards for which this unit is a foundation

Summary Box #7: Goal of the Unit

Summary Box #8: Flow of the Unit/Rationale for the Design of Instruction

Summary Box #9: Unit Plan

The lesson sequence of the unit, with the task and learning goal of each lesson. The asterisk (*) shows the research lesson

Lesson	Learning goal(s) and tasks
1	*Lesson Goal:* *Task:*
2	*Lesson Goal:* *Task:*
3	*Lesson Goal:* *Task:*
4	*Lesson Goal:* *Task:*
5	*Lesson Goal:* *Task:*
6	*Lesson Goal:* *Task:*
7	*Lesson Goal:* *Task:*

8	*Lesson Goal:* *Task:*
9	*Lesson Goal:* *Task:*
10	*Lesson Goal:* *Task:*

Summary Box #10: Mathematical Goal

Summary Box #11: The Equity Goal

Summary Box #12: Scripting the Lesson

Learning task and activities, anticipated student responses, key questions or comparisons that will build insights	Anticipated student responses	Assessment (Points to Notice)

Summary Box #13: Boardwork Plan

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Summary Box #14: Data Collection Plan

Summary Box #15: End of Cycle Reflection

Include notes from the following debrief activities. The first two prompts are done publicly, followed by a discussion of one or more of the whole team reflection questions, and comments from the equity and content commentators. Any team reflection questions not addressed in the public debrief should be addressed in a private team debrief afterward.

After the lesson the presenting teacher has an opportunity to reflect and the team shares observational data about their focus students:

- *Presenting teacher reflection -*
- *Observing teacher data (what focus students said/did during the lesson) -*

Team discussion of the following prompts. What did the team learn about:

- *The mathematical concept? Any new "a ha's" for our own understanding of the concept?*
- *Student thinking?*
- *Teaching & pedagogy?*
- *Our research question?*
- *Our theory of action?*
- *What do individual team members want to implement in their own practice?*
- *What is going to happen tomorrow?*

Notes from the Expert Commentary - Content

Notes from the Expert Commentary - Equity