LbyM Professional Learning Event Outline Guide
2023.01.28

This outline guide is intended to support the process of planning and facilitating LbyM teacher professional learning (PL) events. WestEd developed this outline guide after SSU staff used the Professional Learning Event Guide document (google drive link). This outline guide is to support SSU staff coordinate responsibilities and provide an overview for the upcoming PL event.

1. Agenda Outline

Jan 28th, 2023	
Start of Day	
9:00-9:30	Welcome – Lynn & Laura
9:30-10:15	College requirements - Carolyn
10:15-11:15	Conditionals - Casey
11:15 - 11:30	**Break**
11:30 - 12:10	Lesson 3.3 - Lynn
12:10 - 12:30	Heat & Temperature Lesson 3.5 - Laura
12:30 - 1:15	**Lunch Break**
1:15 - 2:00	Heat & Temperature Lesson 3.5 - Lynn & Laura
2:00 - 2:45	Field trips - Patty & Laura
2:45 - 3:00	Closing - Laura
End of Day	

Note: Feel free to add or remove rows as needed for the PL event.

2. Session Activity Descriptions

Time	Activity Name	Description
9:00-9:30	Welcome	Welcome using PPT, Jamboard and facilitated speaking. 2023.01.28_ LbyM PLE Guide
9:30-10:15	College Requirements	Expectations, Presentation, Tools to use, 2023.01.28_ LbyM PLE Guide
10:15-11:15	Conditionals	Using conditions in code/experiments 2023.01.28_ LbyM PLE Guide
11:15-11:30	Break	
11:30-12:10	Lesson 3.3	Review updates to Lesson 3.3 to capitalize on the WebApp data collection and plotting tools. 2023.01.28_ LbyM PLE Guide
12:10-12:30	Heat & Temperature Lesson 3.5	Introduction to Heat & Temperature Lesson 3.5 in context of student preconceptions, and NGSS argumentation practice. 2023.01.28_ LbyM PLE Guide
12:30-1:15	Lunch	
1:15-2:15	Heat & Temperature Lesson 3.5	Heat & Temperature Lesson 3.5 in groups with reflection time at the end. 2023.01.28_ LbyM PLE Guide
2:15-2:45	Field Trips	Patty will present on her field trip using some slides. Each person will go to their CTE Google Form and fill it out.2023.01.28_ LbyM PLE Guide
2:45-3:00	Closing	Summer Institute, MOU and LbyM next steps and session closing

Note: Feel free to add or remove rows as needed for the PL event.

3. Session Goals

Goal Types	Description
Professional Learning Goals (may include goals for LbyM)	• Teachers are prepared to implement the college requirements activity in their classroom and record how many students participated in the activity at each school. • Teachers support one another in teaching Unit 3 effectively (quickly but by maximizing learning across all learners) • Teachers provide two ideas for how they can increase the probability that they teach all of Unit 3 and some of Water & Soil in their classrooms this year.
Teacher Learning Goals	• Teachers can state at least one criteria required for students to get into colleges in California. • Teachers have coded and successfully run at least three words including if, loop and repeat. • Teachers have learned at least one new concept taught in Unit 3.
Teacher Practice Goals	• Teachers start planning their CTE events (field trip or visits to classroom by a STEM professional/technician), including how to connect the event directly to the classroom • Teachers are aware of how/where Unit 3 teaches if, loop, and repeat to students • Teachers test new steps in Lesson 3.3 and feel confident they can teach 3.3 or know what next steps they need in order to do so. • Teachers can use readADC2 to test the wiring of TEMP2 (Lesson 3.5) after having successfully used it to test the wiring of the Light Sensor (Lesson 3.3)
Student Learning Goals (to keep us focused on why we are working together)	• Students are aware of what science courses are required for students to get into colleges in California. • Students will learn how to use Logo to evaluate arithmetic expressions using +, -, / and * • Students will learn how to use the Logo operators <, > and = to compare numbers • Students will learn how to use the Logo word if to make decisions

	• Students will be able to modify code to turn on an LED based on light sensor signals

Note: The different goal categories are helpful to keep track internally to see what goals are addressed over time. For the PL event, the facilitators can decide which goals above they want to present for participants (since not all need to be presented).

January PLE

- Pacing and NGSS
- CTE presentations and preparations
    - Carolyn
    - Patty
    - Google Sheet for planning
    - CTE MOUs
- Unit 3: WebApp differences
    - Heat & temperature activity (blocks)
        - ~~plotting to work correctly~~
        - Lynn needs to check it
        - Aurore may need to change things
    - Calibration and 3.7 -> March 4th
- Loops and Conditionals
- Make activity about saving code versus cloud save of code
- Next PLEs: March 4th
    - Calibration, Water & Soil