

Whole School Lesson Study Math Pilot





Who we are...









Whole School Lesson Study Math Pilot Aim

Within and across school sites, we will create professional learning networks where educators routinely, openly, and collaboratively examine evidence to improve their instruction, to create classroom environments where African-American/Black and Latiné students especially thrive as math learners.



Evidence of increased student achievement: Math proficiency in SBAC Assessments



Source: SFUSD Achievement Assessment Office. 10/24/2024. **Definitions:** SPED=Special Education Status, SED=Socioeconomic disadvantage Focal groups with fewer than 10 cases are not displayed. Percentages rounded to the nearest whole number.



Lesson Study SFUSD

How did our schools achieve these outcomes?



Conditions for change



John Muir Elementary

San Francisco



SAN FRANCISCO UNIFIED SCHOOL DISTRICT

John Muir Elementary

San Francisco



SAN FRANCISCO UNIFIED SCHOOL DISTRICT

Lesson Study

Developing a new vision for teaching and learning



Lesson Study is an inquiry cycle that encourages teacher teams to collaborate, conduct research in their own classrooms by observing student learning, and continuously improve instruction.





Voices from the Classroom

Impact of Lesson Study on Teaching

"I learned that key to collaborating is trust. In this case, I trusted each of my colleagues to do their work outside of meeting times to ensure that we could move forward as a team. I also learned that tension is an important part of collaboration because it produces new learning and growth. It's often necessary to process and debate ideas in order to come to a collective understanding or agreement."- 4th grade teacher at a Math Pilot School



"The real 'product' of a Lesson Study cycle is much more than just one polished lesson. As a team collaborates to improve instruction, they deepen their knowledge of content and student thinking and their commitment to working together to improve instruction."



The Impact of the Whole School Lesson Study Math Pilot









Malcolm X Academy







SAN FRANCISCO UNIFIED SCHOOL DISTRICT

Sanchez









John Muir







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Leonard R. Flynn













Demographics															
Year (Fall)	School Count	African American	American Indian	Asian	Declined to State	Filipino	Hispanic/ Latino	Multi Racial	Pacific Islander	White	EL	SPED	Low- SES	Foster Youth	Home less
2021-22	415	8.7	0.2	1.0	8.0	0.7	57.6	7.2	0.2	16.4	40.5	11.3	58.1	0.5	2.2
2022-23	397	8.6	0.0	0.5	7.8	0.5	59.9	7.3	0.3	15.1	42.1	8.1	56.9	0.5	2.0
2023-24	362	10.8	0.0	1.1	5.5	0.8	58.8	7.7	0.6	14.6	42.0	11.9	61.0	0.6	7.7



From the 2022-23 school year to the 2023-24 school year, the percentage of Flynn **students mathematical proficiency grew 13%!**

Decreased Chronic Absenteeism (K-5)

Attendance





Source: Synergy Daily Attendance Tables. Date: 6/17/2024. Definition: % Chronically Absent = % of Students with a daily attendance rate of 90% or less. Student Count = number of students who have enrolled a minimum of 31 instructional days, and have attended minimum of one day. Note: Only subgroups with at least 11 students are included.

Impact on Students and Teachers





89% of students <u>enjoy</u> their math class

Positive answers: Almost always + Often Negative answers: Not very often + Almost never









Source: Data collected by the Lesson Study Network from SFUSD. Date: May 2024. Student Survey Sample=306 students. Staff Survey Sample=23 staff members. Percentages rounded to the nearest whole number.



Network Expansion







WHOLE SCHOOL LESSON STUDY PROGRAM

		FY 24-25	FY 24-25			
	FY 24-25	Malcolm X	Leonard R.	FY 24-25	Fy 25-26	
Yearly Budget	John Muir	Academy	Flynn	Sanchez	Daniel Webster	TOTAL
Students	220	119	432	275	376	
Total # Teachers/Certificated Staff	22	12	28	24	22	
Existing Beacon Program	Yes	Yes	Yes	Yes	No	
TSA: Math Coach	\$123,730.00	\$123,730.00	\$123,730.00	\$123,730.00	\$123,730.00	\$494,920.00
TSA Math interventionists	\$256,072.00	\$123,730.00	\$256,072.00	\$123,730.00	\$256,072.00	\$759,604.00
Math Curriculum	\$20,000.00	\$25,000.00	\$40,000.00	\$25,000.00	\$30,000.00	\$140,000.00
Assessment System- Listening to Learn (\$3,000 for 20 teachers)	\$3,500.00	\$2,500.00	\$4,500.00	\$3,500.00	\$3,500.00	\$17,500.00
Lesson Study Leads Professional development & planning time (\$2,500 per lead)	\$10,000.00	\$7,500.00	\$12,500.00	\$12,500.00	\$10,000.00	\$42,500.00
Project IMPULS Lesson Study Summer Institute	\$30,000.00	\$42,000.00	\$30,000.00	\$48,000.00	\$120,000.00	\$270,000.00
Extended Hours for Teachers to use for Lesson Study Meeting Times/Stipends?	\$185,000	\$100,000	\$234,000	\$185,000	\$185,000	\$704,000.00
Extended Days for Pre-School Professional Development (2 days)	\$30,000	\$25,000	\$40,000	\$30,000	\$30,000	\$155,000.00
External Contracts: Professional Development, Expert Commentary for Public Lessons, Unit Plan Feedback from University Mathematics Professors	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$160,000.00
Supplies for Professional Development, Public Lessons, Lab School Visits etc	\$35,000	\$15,000	\$20,000	\$20,000	\$35,000	\$90,000.00
	\$733,302.00	\$504,460.00	\$800,802.00	\$611,460.00	\$833,302.00	\$2,833,524.00