Guam Partnership to Support Student Success in Math Logic Model

REL Pacific is supporting Guam Department of Education's (GDOE) efforts to increase students' math proficiency. The Partnership is providing professional learning to increase educators' use of evidence-based math instructional strategies and is analyzing students' math course-taking patterns to better inform educators' decisions about course recommendations and intervention support services.

Inputs	Activities	Outputs	Short-term Outcomes (2022–23)	Medium-term Outcomes (2024–25)	Long-term Outcomes (2026)
Inputs Expertise and contextual knowledge: GDOE and the REL Pacific core partners and project team members. Resources: What Works Clearinghouse practice guides and other evidence-based resources.	Activities Monthly core partnership meetings to discuss and provide input on the direction, activities, and health of the Partnership. Project team meetings to co- develop training, coaching, and technical support sessions and dissemination materials, plan and implement the research study.	OutputsProject 1: Evidence- based teaching strategies to support elementary and middle school students' success in math. (Training, Coaching, and Technical Support)Project 2: Examining math course-taking patterns in middle and high schools. (Applied Research)Project 3: Leveraging data and teaching strategies for improving algebra knowledge in middle and high school students. (Training, Coaching, and Technical Support)Dissemination: • Fact sheet on evidence-based strategies for increasing math performance. • Infographic on implementing systemic change in education evidence-based	<text><text><text><text><text></text></text></text></text></text>	(2024–25) Increase in participants' knowledge and use of evidence- based instructional practices to support students' math outcomes. Core partners co-produce knowledge that can inform Partnership improvement efforts more broadly. Increase the GDOE staff's knowledge of expanding professional learning activities for math instruction across more grade levels and schools. Participating schools engage in collaborative learning processes to support the implementation of evidence- based math instruction. Increase in the GDOE staff understanding of math course- taking patterns in middle and high schools in Guam. Increase in participants'	<text><text><text><text><text><text></text></text></text></text></text></text>
		 Blog highlighting Partnership approach to supporting student success in math. 		knowledge of using data to support math instructional decision making.	
Outcome themes					

Use of evidence-based resources to support student learning in math.

Expansion and sustainability of the partnership and math professional learning activities.

Use of data to inform math instruction and students' math pathways.