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**Hyunju Oh\*** (ohh@triton.uog.edu) and **Leslie Aquino** (aquinol8112@triton.uog.edu). *The Young Scholars Research Experiences in Mathematics (YSREM) at University of Guam*

We will present our successful outreach project experiences “The Young Scholars Research Experiences in Mathematics (YSREM) at University of Guam (UOG)”, supported by Tensor-Summa grant. Six enthusiastic and talented math students from tenth to twelfth grades in Guam have participated in research experiences in mathematical thought and effort in Coding theory and Vaccination Game theory during summer 2019. The YSREM program is combined National Research Experiences for Undergraduates Program (NREUP) at UOG, which run concurrently as a single program. UOG’s six undergraduate research students in NREUP serve as one-on-one mentors and work as a collaborators in the team research projects under their faculty mentors for the seven weeks. The YSREM project promotes gifted teens in the Guam area: an opportunity to explore mathematics that is not generally taught in schools, role models, intellectual challenge, true peers, and the confidence to dream bigger dreams. We will report how we mentor students during the joint summer research program. (Received September 18, 2019)