Science @ KGJSS		
Selected Curriculum:	HMH Science Dimensions	
Overview & Rationale	Designed for an inspiring, high-impact K–12 learning experience, <i>HMH Science Dimensions</i> creates a supportive instructional path for teachers and a dynamic learning environment for students. Teachers guide students to learn through exploration, analysis, application, and explanation—in short, to think like scientists. Activity-driven lessons put students in charge of their learning and empower teachers to guide the self-directed learning process and mastery of standards. The goal of the NGSS is to prepare students to do the science of their time, equipping them for careers in STEM and engineering fields. , <i>HMH Science Dimensions</i> three-dimensional learning approach arms students with the tools and habits of mind to apply scientific reasoning	
Curriculum Components	and solve STEM problems relevant to everyday life. Individualized Plans	
& Unique Features	Problem Based Learning Strategies	

Evidence-Based Data	Educational Research Institute of American conducted a study related to efficacy among low performing. The
Evidence Based Bata	research involved a treatment and a comparison group. The data indicated statistical significance student that were in the treatment group in comparison to the control. Student were pre-tested. After curriculum implementation, student in the treatment group had higher performance rates than the control. View the links below for more details.
	https://www.hmhco.com/programs/hmh-science-dimensions/research-results
Projected Outcomes	 Students will deepen conceptual understanding through problem-based learning; Students will demonstrate growth in conceptual understanding via digital interactive lessons; Students will build proficiency in common core math standards by way of independent practice and high-order thinking; and Students will demonstrate mastery of rigorous concepts through a leveled and tailored instructional plan. Students will accurately apply knowledge and cement comprehension Students will gain knowledge through project based learning and demonstrate increased ability to generate solutions Student demonstrate growth and understanding of the design cycles through self-directed openended project ideas and problem solving
Modifications (if necessary)	

Supplemental Curricula & Additional Strategies	Blow Off S.T.E.A.M. Femme 2 STEM FUSE KGJSS Summer Immersion Program
Partners	University of Chicago-MapsCorp, University of Chicago-School of Medicine. University of Illinois-Chicago, Northwestern University

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