

Crunch Time Math Tutoring

by The Math Yogis



The Math Yogis

Healthy and Effective Math Educators – Excited and Educated Math Students

The Math Yogis and Camino Nuevo Charter Academy Partnership Overview



High-Dosage Tutoring for Accelerated Student Learning

Crunch Time Math Tutoring Work Order - Camino Nuevo Charter Academy

Camino Nuevo Charter Academy – Burlington Campus -110 hours

Camino Nuevo Charter Academy #3 – Jose A. Castellanos Campus – 110 hours

Camino Nuevo Charter Academy #3 – Jane B. Eisner Campus – 110 hours

Work Description	Rate for Each School	Number of Schools	Total
Two tutors a session. Groups of 4 – 8 students.	\$24,000	3	\$72,000
Insurance, Compliance, Legal, On-Site Supervision, and Risk Management	\$6650	3	\$19,950
Subtotal	\$30,650		\$91,950

Camino Nuevo Charter Academy #4 – Sandra Cisneros Campus -- 60 hours

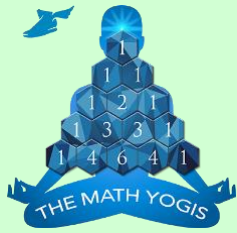
Camino Nuevo High School #2 – Dalzell Lance Campus – 60 hours

Work Description	Rate for each school	Number of Schools	Total
Two tutors a session. Groups of 4 – 8 students.	\$14,000	2	\$28,000
Insurance, Compliance, Legal, On-Site Supervision, and Risk Management	\$4025	2	\$8,050
Subtotal	\$18,025		\$36,050

FINAL TOTAL COST

\$128,000

More information on the program: <https://themathyogis.com/high-dosage-tutoring/>



High-Dosage Tutoring for Accelerated Student Learning

Context and Background

For decades, families with means have hired tutors when their children fall behind in school. This makes sense given that tutoring consistently ranks among the most effective evidence-based interventions for students struggling in math. However, for students from lower income families, finding the time, space and means for tutoring can be challenging regardless of its impact.

[A review](#) of almost 200 studies found that high-dosage tutoring – delivered more than three days per week or at a rate of at least 50 hours over 36 weeks — is one of the few school-based interventions with demonstrated large, positive effects on both math and reading.

With pandemic-related disruptions to learning and “learning loss,” educators and schools need something ambitious to meet the magnitude of this challenge. While this remains a widespread challenge that many schools and districts face, the issue of learning loss is more acute in high-poverty schools, as well as for Black and Latinx students.

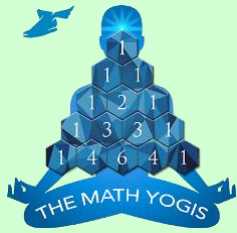
If there is a single silver lining, it is that the pandemic has crystallized the need for better support in students' math education. While Tier I instruction is the most important component of learning, it cannot, even at its best, accelerate student achievement quickly enough. It demands more in the name of equity.

Rigorous research provides strong evidence that High-Dosage Tutoring can produce large learning gains for a wide range of students, including those who have fallen behind academically.



Math Yogis High-Dosage Tutoring

High-Dosage tutoring is one [of the few interventions with a demonstrated benefit](#) and while it would be quite the lift to provide this type of tutoring for every single student throughout the year, Math Yogis High-Dosage Tutoring builds on research and strong methodology to provide high-dosage tutoring services that leverages and maximizes the school's time, space, and resources.



High-Dosage Tutoring for Accelerated Student Learning

The Math Yogis leverage research, years of experience in schools, and a proven design methodology to craft a small group tutoring experience that accelerates student learning.



Data-Driven

- ❖ Utilizing data for crunch time tutoring that prioritizes students that are “almost” at grade level and would benefit the most from intensive support.



Accountability

- ❖ A formulated tutoring scope and sequence with an emphasis on priority standards based on interim assessment results and

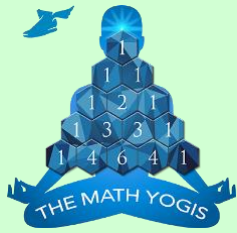


Relationships and Care

- ❖ High-Dosage Tutoring comes to your schools to provide in-person tutoring directly for your students.

Math Yogis High-Dosage Tutoring [adheres to these research-based features](#) of high-dosage tutoring that have been proven to have positive effects on student outcomes.

Frequency	Tutoring involves three or more sessions per week with sessions that last for about 30-60 minutes per day, for at least ten weeks.
Group Size	Group size matters: three to four students at a time (moving beyond this number can quickly become small group instruction, which is less personalized and requires a higher degree of skill to do well).
Tutor Personnel and Accountability	Math Yogi tutors are paid and provided with training and ongoing support around instructional techniques, social emotional learning, and cultural competency. They are vetted through a hiring process that requires tutors have the prerequisite content knowledge, as well as the necessary mindsets to tutor young people. They also receive constant feedback and coaching to ensure students have a high quality experience.
Focus on the Standards & Acceleration	The use of high-quality instructional materials that align with grade-level standards: specifically, materials from Eureka, Illustrative Math, and from the CAASPP portal/Tools for Teachers. Instruction is supplemental and focused on acceleration, not remediation.
Relationships	Consistent tutor/ student matches that prioritize building relationships and leverage the experiences of tutors who provide instruction that are distinct from their classroom education.



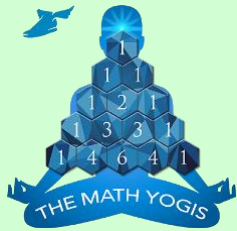
High-Dosage Tutoring for Accelerated Student Learning

<p>Data Prioritization</p>	<p>Tutoring scope and sequence will be formulated based on interim assessment results and priority standards that need to be emphasized. For crunch time tutoring, it is important to prioritize students that are “almost” at grade level and would benefit the most from intensive crunch-time tutoring.</p>
<p>Scheduling</p>	<p>Tutoring interventions conducted during the school day tend to result in greater learning gains than those that are after school or during the summer. Providing tutoring during school increases the likelihood that students will attend their tutoring sessions and facilitates a more academic-focused culture.</p>
<p>Format</p>	<p>In-person tutoring has been the most effective format for high-dosage tutoring and more advantageous for relationship building than virtual or online tutoring.</p>

In order for Math Yogis to adhere to these research-based features and provide high-impact high-dosage tutoring, partner schools will commit to:

- Providing dedicated intervention time and sacred space to make the paid hours.
- Communicating expectations and commitments to key stakeholders: teachers, families, students, and staff
- Engaging in open communication/dialogue and share interim assessment student data, bell schedules, and key curricular resources such as pacing maps and plans
- Already engaging in regular and consistent interim assessments and have validated student data to analyze (before March)

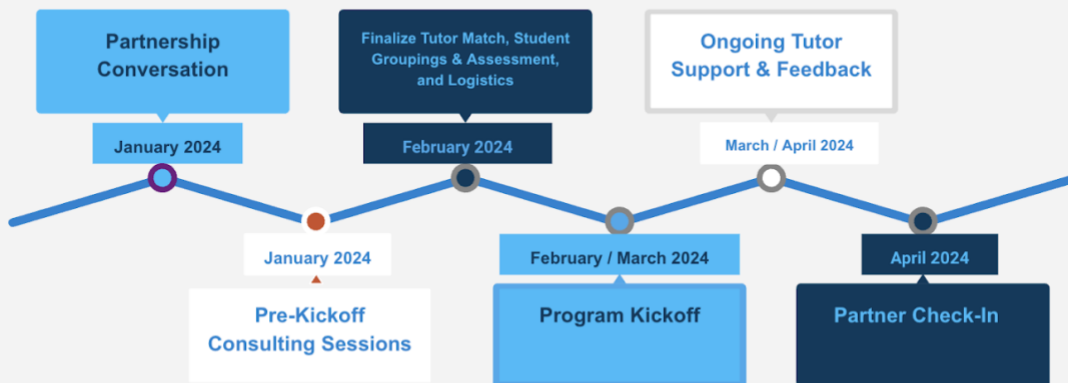




High-Dosage Tutoring for Accelerated Student Learning

Partnership & Program Timeline

Partnership and Program Timeline



About Math Yogis

Math Yogis are guided by the following principles:



Data-Driven

- ❖ Math equity means student learning and achievement that show up in the the results (data)
- ❖ Focus on using interim assessment data (ICA, IAB) to inform and drive network/school/classroom practice
- ❖ Grounded in research-based and standards-aligned mathematical practices



Accountability

- ❖ Alignment of services with mathematical content specifications of summative assessments
- ❖ Utilization of reputable and vetted math curricula and resources to drive professional learning, classroom observations, and high-leverage feedback



Relationships & Care - "Be Good to Yourself"

- ❖ Balance of teaching mathematics effectively while prioritizing educator self-care
- ❖ Does the work alongside educators and leaders: as a former school leader, Nick knows the importance of building relationships through doing the work and active learning: he conducts demo labs, walkthroughs, live coaching, data analysis, direct teacher coaching, as well as building capacity in network leaders



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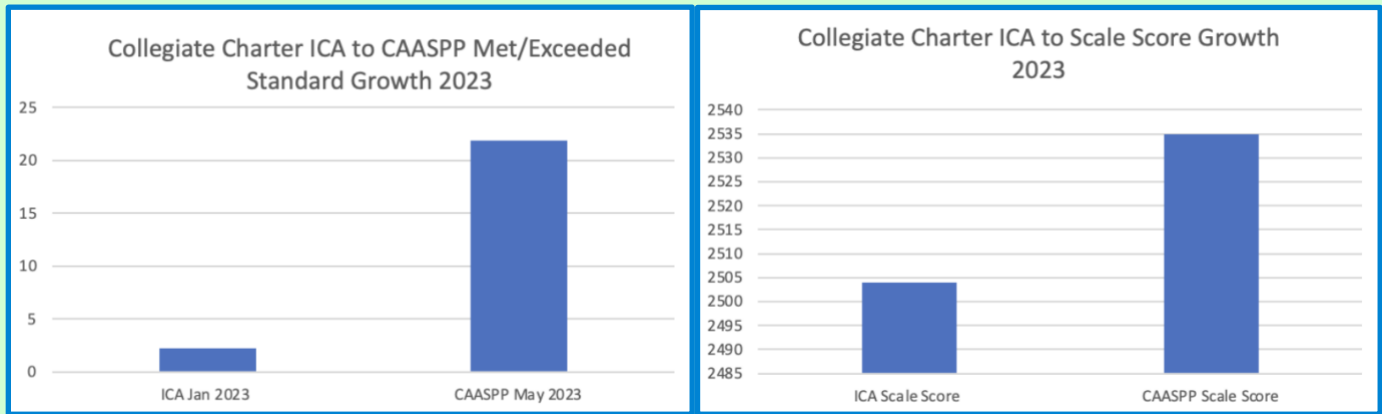
Math Yogis Case Studies of Impact



Focus – High Dosage Tutoring

During the Spring of 2023, two twin issues occurred at Collegiate Charter School: 1. Low Interim Comprehensive Assessment (ICA) scores that reflected pandemic era achievement. 2. The Algebra II teacher who has most of the juniors, and thus the students testing for the CAASPP, went on family leave for eight weeks due to a personal emergency. During this time, Collegiate did something unique which was hiring a math tutor specifically charged with pulling students for high dosage small group tutoring. Based on ICA data, the tutor re-taught concepts (and at times, first taught) concepts to selected kids who were either "nearly met" on the ICA, or highly motivated to improve their math skills. **The result was positive.** A near 20 percent jump in students who met standard. This includes a nearly 60 point scale score jump of students that were pulled for tutoring.

- (1) ICA January 2023: **2.2**, CAASPP May 2023: **21.88**
- (2) ICA Scale Score January 2023: **2504**, CAASPP Scale Score May 2023: **2535**





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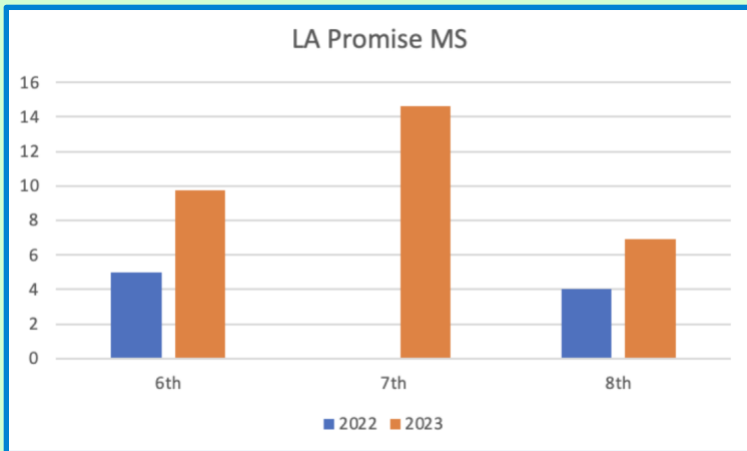
Focus – Full Content Support including math intervention and small group tutoring

The following Math Yogis core services and targeted support were provided to LA Promise Middle School in the 2022-23 school year.

- Professional Development at the Summer Teachers Conference aligned to SY 22-23 priorities.
- Leading monthly Content Team PD
- Participating in classroom observations and debriefs with school leaders and Chief Academic Officer on a monthly basis.
- Differentiated coaching and support. (lesson/unit planning, analyzing data, modeling lessons, etc).
- Collaborating with principals to identify coaching needs and support progress monitoring
- **Intervention and small group math pull out**

There were marked percent increases in all three grades of students meeting standard especially in the 7th grade:

	6th	7th	8th
2022	5	0	4.05
2023	9.76	14.64	6





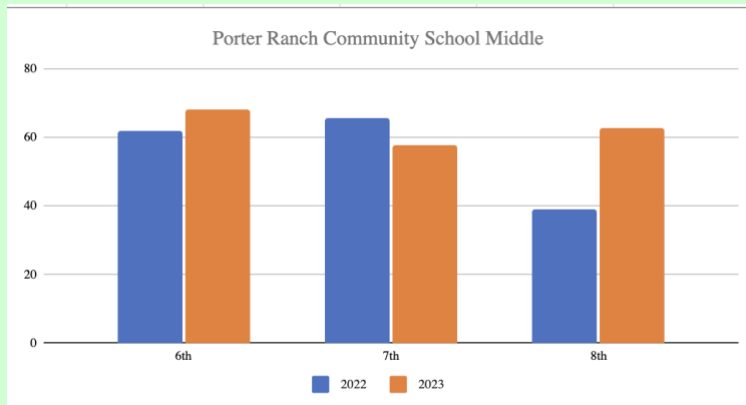
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Focus – curriculum implementation of standard aligned materials

Math Yogi services were provided to Porter Ranch Community School post-COVID for curriculum implement support –specifically around lesson execution and pacing. To make things challenging, a 6th grade teacher was out on leave and a 7th grade teacher quit early in the school year. With that said, Math Yogis implemented 1. multiple demo cycles. 2. Analysis of IAB data and proper response. 3. Planning meetings with both substitute teachers and grade level teachers and all led to data dramatically increasing school wide and in two out of three grade levels. **4. Strategic math review with select students during advisory.**

	6th	7th	8th
2022	61.72	65.72	38.88
2023	68	57.6	62.61



For more case studies of impact and testimonials, please visit www.themathyogis.com.