



2023-2024 PURCHASE ORDER

California Online Public Schools

dba California Connections Academy Southern California
33272 Valle Road, San Juan Capistrano, CA 92675
(949) 461-1667 Phone (949) 240-7895 Fax

Purchase Order Number: 2023 - 24 - 18

Date: 9/21/2023

Vendor Contact Name: Karen Pankow

Vendor Phone Number: 925-518-2144

Vendor Fax Number: _____

Email P.O. to vendor? Yes No

Vendor Email: purchaseorders@mindeducation.org

Vendor: MIND Education

Address: 5281 California Avenue, Suite 300

City: Irvine

State: CA

Zip: 92617

Product/Description	Sales Quote#	Item #	Cost	Qty	Total Cost
CENTRAL COAST New ST Math Micro School Student Subscription License for Schools with 26-149 Students	00013811		\$ 35.00	34	\$ 1,190.00
NORTH BAY New ST Math Micro School Student Subscription License for Schools with 26-149 Students	00013811		\$ 35.00	40	\$ 1,400.00
MONTEREY BAY New ST Math Site Subscription License School with 1-150 Students Enrolled	00013811		\$ 3,500.00	1	\$ 3,500.00
CENTRAL VALLEY New ST Math Site Subscription License for School with 151-250 Students Enrolled	00013811		\$ 6,000.00	1	\$ 6,000.00
SOCAL & NORCAL New ST Math Site Subscription License for School with 251+ Students Enrolled	00013811		\$ 12,000.00	2	\$ 24,000.00
CENTRAL COAST & NORTH BAY Virtual Professional Learning Workshop	00013811		\$ 750.00	2	\$ 1,500.00
See attached for details					

Order Total **\$37,590.00**

DocuSigned by:
Signatures (or email approval):
Bernie Romero 9/21/2023

DocuSigned by:
Purchaser/Requestor
Ricnie Romero 9/22/2023

DocuSigned by:
Administrator Approval (required)
Lathelle Carter 9/22/2023

DocuSigned by:
Audited By (optional)

Date _____

via email approval (see attached)



MIND Education
5281 California Avenue, Suite 300
Irvine, CA 92617
949-345-8700
866-569-7014
www.mindeducation.org

Please submit purchase orders:
By email: purchaseorders@mindeducation.org
By Fax: 1-866-569-7014
You can view our technical requirements [here](#).
Thank you for being an ST Math partner!

Created Date 5/23/2023
Quote Number 00013811
Expiration Date 8/21/2023
Partnership Manager Karen Pankow
Partnership Manager Email kpankow@mindresearch.org
Renewal Rep Mary Jane Smith
Renewal Rep Email mjsmith@mindeducation.org
Education Success Manager School Success
Education Success Manager Email success@mindresearch.org

Bill To Capistrano Connections Academy
33272 VALLE RD
SAN JUAN CAPO, CA 92675-4842
United States

Ship To Capistrano Connections Academy
33272 VALLE RD
SAN JUAN CAPO, CA 92675-4842
United States

Product	Quantity	Detail Description	Total Price
MICRO SCHOOL STUDENT SUBSCRIPTION (26-149 STUDENT SITE)	34.00	New ST Math Micro School Student Subscription License for Schools with 26-149 Students (\$35/student): - ST Math Software License for # of students indicated - Ongoing Minor Software Updates - Self-Guided Online Courses (Asynchronous via Web Browser) - Just-in-Time Live Webinars (Instructor-Lead via WebEx) - Technical Support during Standard Business Hours via Email or Phone - Weekly School Progress Reports Delivered via Email *One (1) Virtual Professional Learning Offering Required with Purchase CENTRAL COAST	USD 1,190.00
MICRO SCHOOL STUDENT SUBSCRIPTION (26-149 STUDENT SITE)	40.00	New ST Math Micro School Student Subscription License for Schools with 26-149 Students (\$35/student): - ST Math Software License for # of students indicated - Ongoing Minor Software Updates - Self-Guided Online Courses (Asynchronous via Web Browser) - Just-in-Time Live Webinars (Instructor-Lead via WebEx) - Technical Support during Standard Business Hours via Email or Phone - Weekly School Progress Reports Delivered via Email *One (1) Virtual Professional Learning Offering Required with	USD 1,400.00

Thank you for being an ST Math partner! By submitting payment for quoted services, you agree to MIND Education's Terms of Use as described at <http://www.mindeducation.org/misc/terms/>.

MIND Education complies with applicable state and federal laws and regulations and uses commercially-available measure to protect and maintain the security of any collected data. Our Privacy Policy can be found at <http://www.mindeducation.org/misc/privacy/>.



		Purchase	
		NORTH BAY	
New ST Math Site Subscription (1-150 Students)	1.00	<p>New ST Math Site Subscription License School with 1-150 Students Enrolled</p> <ul style="list-style-type: none"> - Annual ST Math Software license for all students, teachers, and administrators - Two (2) Virtual Professional Learning Offerings - Access to Asynchronous Online Courses - ST Math Implementation Support - Access to ST Math Academy on-demand professional learning modules - Embedded program help and tutorials - Ongoing Minor Software Updates - Technical Support Via Email and/or Phone 	USD 3,500.00
		MONTEREY BAY	
New ST Math Site Subscription (151-250 Students)	1.00	<p>New ST Math Site Subscription License for School with 151-250 Students Enrolled</p> <ul style="list-style-type: none"> - Annual ST Math Software license for all students, teachers, and administrators - Two (2) Virtual Professional Learning Offerings - ST Math Implementation Support - Access to ST Math Academy on-demand professional learning modules - Embedded program help and tutorials - Ongoing Minor Software Updates - Technical Support Via Email and/or Phone 	USD 6,000.00
		CENTRAL VALLEY	
New ST Math Site Subscription (251+ Students)	2.00	<p>New ST Math Site Subscription License for School with 251+ Students Enrolled</p> <ul style="list-style-type: none"> - Annual ST Math Software license for all students, teachers, and administrators - Two (2) Virtual Professional Learning Offerings - ST Math Implementation Support - Access to ST Math Academy on-demand professional learning modules - Embedded program help and tutorials - Ongoing Minor Software Updates - Technical Support Via Email and/or Phone 	USD 24,000.00
		SOCAL NORCAL	
Virtual Professional Learning Workshop	2.00	One ST Math webinar. Webinars are up to 90-minutes with a maximum of 50 attendees.	USD

Thank you for being an ST Math partner! By submitting payment for quoted services, you agree to MIND Education's Terms of Use as described at <http://www.mindeducation.org/misc/terms/>.

MIND Education complies with applicable state and federal laws and regulations and uses commercially-available measure to protect and maintain the security of any collected data. Our Privacy Policy can be found at <http://www.mindeducation.org/misc/privacy/>.



	CENTRAL COAST NORTH BAY	1,500.00
--	----------------------------	----------

Subtotal USD 37,590.00

Grand Total USD 37,590.00

Prepared By Karen Pankow
Email kpankow@mindresearch.org

Thank you for being an ST Math partner! By submitting payment for quoted services, you agree to MIND Education's Terms of Use as described at <http://www.mindeducation.org/misc/terms/>.

MIND Education complies with applicable state and federal laws and regulations and uses commercially-available measure to protect and maintain the security of any collected data. Our Privacy Policy can be found at <http://www.mindeducation.org/misc/privacy/>.



MIND
RESEARCH INSTITUTE

Organizational Backgrounder

MIND Research Institute and its sister organization, ST Math, are both nonprofit, social impact organizations that are aligned to share the same mission: to ensure all students are mathematically equipped to solve the world's most challenging problems.

MIND was founded in 1998 by three University of California researchers united behind a simple yet innovative idea: teaching math the way children learn—visually and experientially.

Possessing a deep, conceptual understanding of math creates the problem-solving foundation that all areas of STEM are built on. Research shows that early math skills are the most powerful predictors of later learning. However, only 25% of our students exit K-12 education proficient in math. While the overall proficiency numbers are alarming, looking deeper reveals that minority and low-income students are falling even further behind.

MIND's flagship program, ST Math®, is a PreK-8 visual instructional program that leverages the brain's innate spatial-temporal reasoning ability to solve mathematical problems. ST Math begins visually, and then gradually introduces traditional symbols and language as students master mathematical concepts. With ST Math, students develop the math and problem-solving skills, perseverance, and spatial aptitude necessary for success in STEM fields.

MIND also continues to develop innovative programs that bring the excitement of math to students, families, and communities outside of the classroom. By engaging students' entire learning ecosystem, we maximize student outcomes and build positive mathematical identities.

At MIND, we believe every student has the capacity to deeply understand, and truly love math. Investing in math education builds the strong mathematical foundations necessary for academic success, college readiness, and 21st century career advancement.



Our social impact initiatives and programs include:

- **Research and Development:** We collaborate with researchers from universities and organizations around the country to perform fundamental and applied research in neuroscience, mathematics, and education. Our research partners include: University of California, Irvine; Center for Education Policy Research at Harvard University; North Carolina State University; WestEd; SRI; ACT; and NewSchools Venture Fund. We apply this research to continuously advance our program offerings.
- **ST Math School Grants Program:** We help education partners offset ST Math program costs through donor matching funds with the goal of helping more students grow into their potential.
- **MathMINDs Games:** Our story-based games bring together historical facts, ancient gameplay, mathematics, and the world around us to create a highly connected experience for students, teachers, and families.
- **Math Week:** A community engagement opportunity that changes the way math is experienced for students, families, and educators. Math Week is hosted online, with five days worth of content and activities in English and Spanish for families with students in K-8.

Partnering for Greater Impact

MIND strives to accomplish our mission through social impact. We partner with corporations, foundations, and individuals who are investing in our initiatives through grants, in-kind donations, and volunteer opportunities.



Results and Impact

The evidence-based impact of ST Math continues to be shown through independent, third-party validations as well as annual, transparent evaluations of results from ST Math school cohorts. These join more than 150 studies on the efficacy of ST Math.

Independent research firm WestEd published a study on ST Math, the largest of its kind, to evaluate an edtech math program across state assessments. Grades that faithfully implemented ST Math improved significantly more than similar grades that did not use the program, outgrowing them in statewide rank by an average of 14 percentile points.

A study from *The Journal of Research on Technology and Education* found that students who play ST Math have higher mathematics self-beliefs than non-ST Math students, and the impact was strongest for students who started with low mathematics scores.

You can see more of MIND's efficacy portfolio at smath.com/impact/studies.



1,750,650+
students



102,000+
educators



8,720+
schools



50
states

Recent Awards

2022 SmartBrief's EdTech Readers' Choice Awards Winner

- STEM and STEAM

2022 SIIA CODiE Finalist

- Best Learning Recovery Tool
- Best Student Experience

2021 SIIA CODiE Winner

- Best Foundational Mathematics Instructional Solution

2021 SIIA CODiE Finalist

- Best Customer Experience in EdTech
- Best Gamification in Learning

2021 Tech & Learning Awards of Excellence Winner

- Best of 2021 Primary Education
- Best Primary Tools for Back to School
- Best Remote/Blended Learning Tool for Primary Grades

2021 Tech Advocate Awards Finalist

- Best Math App or Tool

The EdTech Cool Tool Awards Finalist

- Math Solution (2022, 2021, 2020, 2019)
- New Product (2021)
- Games for Learning/Simulation Solution (2020, 2019)

ST Math.



Board Members

ST Math

Terry Crane, Ed.D.

Chairman of the Board

Chuck Amos

*Chief Executive Officer
GuideK12*

Ellen Bialo

*President & Chief Executive Officer
Interactive Educational Systems Design*

Mark Bodner, Ph.D.

*Cofounder & Research Scientist
MIND Research Institute*

Donald E. Garcia

*Founder
Pinnacle Consulting Group*

David L. Horowitz

*Chairman
Horowitz Management*

Becky House

*Senior Vice President of General Counsel
Rockwell Automation*

Steve E. Litchfield

*Chief Financial Officer & Chief Strategy Officer
MaxLinear, Inc.*

James McCluney

*Executive Chairman of the Board
Emulex Corporation (Retired)*

John H. Phelan Jr.

*Executive Vice President of
Capital Research & Management
Capital Group Companies, Inc. (Retired)*

Brett Woudenberg

*Chief Executive Officer
MIND Research Institute*

MIND Research

Edwin D. Fuller

Chairman of the Board

Mark Bodner, Ph.D.

*Cofounder & Research Scientist
MIND Research Institute*

Mary de Wysocki

*Senior Director of Corporate Affairs
Cisco Systems, Inc.*

Claudia Kreisle

*Manager of Social Impact
Phillips 66*

Brett Woudenberg

*Chief Executive Officer
MIND Research Institute*



JiJi Math



@MIND_Research



MIND Research Institute

Toll Free: 888.751.5443 | info@mindresearch.org | mindresearch.org

© 2022 MIND Research Institute. All rights reserved. MR2-220404



ST Math[®] The ST Math Theory of Change

How does student time and energy invested in ST Math result in schoolwide math proficiency gains? When students solve their way through the puzzle-based games, they self-pace through their grade-level math content and master mathematical concepts. Each ST Math learning objective completed aligns with state math standards, and each additional standard covered gives ST Math students a proven advantage on standardized assessments.

WEEKLY MINUTES

Logging into ST Math at least **2 days per week** throughout the school year, students in schools with the greatest results play **60 minutes per week** of active time on ST Math in grades K-1, and **90 minutes per week** in grades 2-8.



LEARNING

Every time a student poses their solution, the puzzle animates to provide them immediate, **informative feedback** as to why their solution either did or did not solve that puzzle. In addition to learning individual math concepts, ST Math helps students **build robust conceptual frameworks** (or schemas) representing the numerous and interconnected relationships between mathematical ideas, patterns, and procedures. This means students aren't just practicing and memorizing, they are understanding.



STUDENT PRODUCTIVE STRUGGLE

Through its visual, spatial-temporal approach and scaffolded design, ST Math pushes all students (EL, Special Education, Gifted) to productively struggle. **Productive struggle** is a state of engagement that enables students to work through increasingly challenging problems and non-routine problems they have never seen before, and is proven to lead to deeper conceptual understanding.



MASTERY BASED PROGRESSION

Like in a video game, students must pass each level with a **score of 100%** (all puzzles correctly solved) before the next level in sequence becomes available to them. Self-pacing allows students to replay a level with new sets of puzzles on their personalized path to mastery.



MATH CONTENT COVERAGE

ST Math content is grouped into standards-aligned learning objectives per grade level. Each learning objective covers specific math concepts and standards, and is comprised of games and levels. Each level is comprised of a set number of puzzles, which pose mathematical situations (problems) visually for students to solve. **The more learning objectives students complete, the more standards that are covered.**



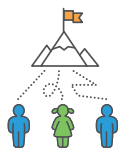
TEST ITEM SUCCESS

As students progress and master learning objective content, ST Math **quiz results show improvements in test item success on the math standards covered** by each learning objective.



SUMMATIVE TEST ADVANTAGE

As students win their way towards covering the majority of grade-level math content in ST Math, on average they **increase their summative test scale scores.**



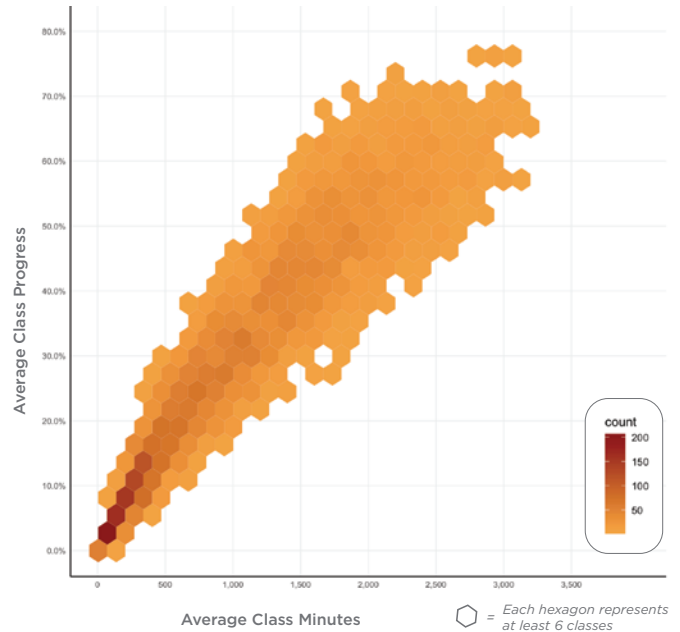


Minutes Toward Mastery—Committing to Success

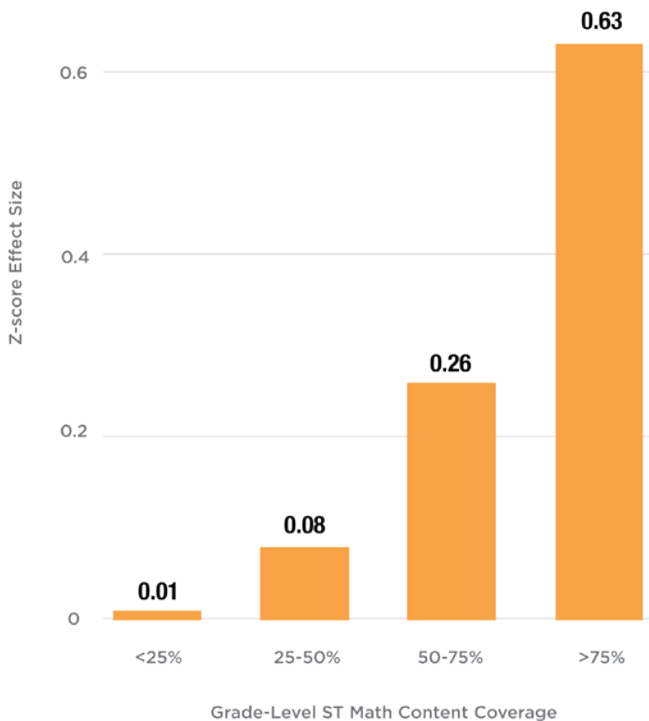
Achieving Progress Requires Minutes

According to our research, the minimum level of implementation (60 minutes per week for kindergarten and grade 1 classes, and 90 minutes per week for grades 2-8) should result in schools progressing through sufficient grade level content and associated math standards within the year to see a significant boost to schoolwide test scores, compared to similar schools without ST Math. The program is self-paced, and some students will require more time than others to master the content and achieve high rates of content completion. Covering more content simply requires more time on ST Math, but leads to even greater gains in student achievement.

Average Progress vs. Average Yearly Minutes per Class
2018-2019 3rd Grade Classes



State Test Effect Size by Content Coverage



Higher Content Coverage Increases Math Performance

A 2017/18 study matched 3,102 ST Math-using grades with non-ST Math grades that were similar on math performance and demographics. Sub studies were performed to evaluate the effect of the amount of ST Math content covered. Growth in gradewide math proficiency was compared for the ST Math group versus the comparison group, and effect sizes were evaluated. The results were clear—completing more of the ST Math program content led to dramatically higher results for student proficiency.

All students can master and complete the entire ST Math program, given sufficient time. Create an implementation plan for your school that maximizes minutes spent on ST Math, and you will see the results.





2023-2024 PURCHASE ORDER

California Online Public Schools

dba California Connections Academy Southern California
33272 Valle Road, San Juan Capistrano, CA 92675
(949) 461-1667 Phone (949) 240-7895 Fax

Purchase Order Number: 2023 - 24 - 20

Date: 9/25/2023

Vendor Contact Name: Jennifer Simms

Vendor Phone Number: (440) 708-8035

Vendor Fax Number: _____

Email P.O. to vendor? Yes No

Vendor Email: jennifers@ixl.com

Vendor: IXL Learning

Address: 777 Mariners Island Blvd., Suite 600

City: San Mateo

State: CA

Zip: 94404

Product/Description	Sales Quote#	Item #	Cost	Qty	Total Cost
IXL Site License (Grades PK-8: 5,125 students) Subjects: Math, ELA, and Science <i>K-8 Math licenses include complimentary access to IXL's universal screener</i>	1286587-3		\$ 112,750.00	1	\$ 112,750.00
Professional Development: IXL Power-up PD Package <i>Unlimited instructor accounts included, Auto-rostering services included, Google single sign-on services included</i>	1286587-3		\$ 2,495.00	1	\$ 2,495.00

	Order Total	\$115,245.00
--	--------------------	---------------------

DocuSigned by:
Signatures (or email approval):
Bernie Romero 9/25/2023

DocuSigned by:
Purchaser/Requestor
Kidue Romero 9/25/2023

Administrator Approval (required) _____ **Date** _____

Audited By (optional) _____ **Date** _____

via email approval (see attached)



IXL Learning
 777 Mariners Island Blvd., Suite 600
 San Mateo, CA 94404

QUOTE

QUOTE # 1286587-3
 DATE: JULY 26, 2023

TO:

Than Short
 California Connections Academy
 33272 VALLE RD
 SAN JUAN CAPO, CA 92675

COMMENTS OR SPECIAL INSTRUCTIONS

SALESPERSON	TERMS	SUBSCRIPTION DURATION	QUOTE VALID UNTIL
Jennifer Simms		1 year	August 26, 2023

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	IXL site license (Grades PK-8: 5,125 students) Subjects: Math, ELA, and Science <i>K-8 math licenses include complimentary access to IXL's universal screener</i>	\$112,750.00	\$112,750.00
1	Professional Development: IXL Power-up PD Package <i>Unlimited instructor accounts included</i> <i>Auto-rostering services included</i> <i>Google single sign-on services included</i>	\$2,495.00	\$2,495.00
SUBTOTAL			\$115,245.00
SALES TAX			--
SHIPPING & HANDLING			--
TOTAL DUE			\$115,245.00

Ordering instructions

We accept payment by purchase order, check, or credit card. To submit a purchase order for this quote, [click here](#) or go to <http://www.ixl.com/po-upload> and enter quote # 1286587-3. For international accounts, we can accept wire transfers for an additional fee.