

STEMulate Learning: Proposed Educational Services for California Military Institute (CMI)

Greetings Dr. Newman,

Please find below **STEMulate Learning's** proposal to provide math educational and consulting services to the **California Military Institute (CMI)**. In addition to what is mentioned below, we would conduct a school diagnostic, create an MOU about agreed upon goals, outcomes and timelines as well as determine measurements of effectiveness and provide a program summary of lessons learned at the end of the school year.

The Philosophy

STEMulate Learning's mission is to **promote and develop the love of math** as the foundation for student success in STEM/STEAM related fields. Our experience in providing training and instruction that is inquiry based, culturally relevant and life-affirming helps transform educators into effective instructors and facilitators of learning while empowering students to overcome a fear of math and develop the mathematician within them.

Through our holistic approach to learning and training, we incorporate a triangular approach to rigorous mathematics instruction, consisting of **Social Emotional Learning, Cultural Competence, and a Growth Mindset framework**. We create a positive learning environment that fosters a discovery approach to problem solving and builds in students and instructors the mental edge necessary for success in all K-12 levels of math. We believe students should be afforded the opportunity to explore math as it relates to their world, giving them ownership and pride in their learning.

The Solution

STEMulate Learning's signature program, **STEM Begins with M**, is an educational program designed to assist students in their pursuit of math proficiency, and provides educators with 21st Century pedagogy to confidently provide a collaborative, student-centered and rigorous learning experience for students. Our program is delivered through our **MASTER** system approach: *Making Academics Social, Transformative Engaging and Relevant*.

Proposed Educational Services for the California Military Institute:

STEMulate Learning believes each school is unique and requires a customized approach to improving their math program and student performance. Below are math program offerings with the various elements of service to consider. Upon completion of each schools' diagnostic report, we will provide suggestions on how to enhance teacher performance with the program offerings.

MASTERCoaching

Teachers receive individual coaching and support around lesson planning, pedagogy, student engagement, formative and summative assessments and content knowledge. Coaching includes classroom observations with data-focused debriefs and individual meeting times to discuss classroom strategies and problems of practice. Coaching services are also available for Administrators, Department Chairs and Instructional Coaches.

**The program includes 90 min. per week of coaching for the entire school year. Additional hours can be provided upon request.*

MASTERTeacher Professional Development

The PD program consists of (1-2) Half-day sessions and you may choose from the list below:

1. Math is Emotional: (Addressing the Social Emotional needs of Teachers and Students) Subtracting Fear, Adding Confidence and Multiplying Culture
2. Equity in Equations: Math Pedagogy for 21st Century Learners
3. Transforming Lesson Plans into Lesson Experiences for Student Engagement
4. Doing the Math to Teach the Math: Using Formative Assessment and Data to Inform Instruction

Qualified, engaging presenters ensure the sessions are interactive, transformative and responsive to the needs of attendees. **Each PD is (4) hours and can be customized to meet the needs of school leadership and teachers.*

MASTERTeacher Forums

Forums are mini-PD sessions that are extracted from the full-day PD offerings to delve into specific issues faced by all math teachers. The topics chosen are based on needs identified by school leadership, coaches and teachers. SL staff will deliver the 2-hour Coach-led Forums in consultation with the Program Leader.

ARMS-MFL (Algebra Readiness, MASTERStudent & Math Football League Program)

ARMS is an educational program designed to assist students in their pursuit of mathematical acumen and success in Algebra and beyond. We specialize in **ALL THINGS ALGEBRA**, identifying the high leverage math skills needed to achieve a deep understanding of Algebra, combined with engaging activities that address the cultural and social emotional needs of students.

The MASTERStudent™ Program (MSP) trains students on how to think, behave and become 'A' students. The program is based on 10 years of student feedback about their 'best practices' that propelled them to get accepted to top colleges and universities. The MSP develops mindsets, organizational skills and work habits that make learning deeper and more personal for students. Our underserved and underrepresented students need additional scaffolds, support and tools to increase self-esteem and skills that will allow them to compete with the best and brightest students in California.

The MFL (Math Football League) is a collaborative game format that trains middle and high school students to improve their current academic grade in math and to increase their scores on standardized tests. It was created to simulate the structure of football, and combines rigor

and excitement through coaching, instruction and competition. It increases student collaboration in class and enhances the implementation of the Standards for Mathematical Practice.

**The ARMS-MFL program consists 24 hours of instruction/coaching for classes of 10-30 students. Multiple groups or sessions are available based on need.*

Educational Service	Number of Sessions	Cost	Total Cost of Service
Math Coaching/ Model Teaching	CMI (5) teachers	\$9,000 per teacher	\$45,000
Professional Development	0	\$2,000/session.	\$0
ARMS-MFL Student Program	0 programs	\$4,800 per program	\$0
Forums	(0) sessions*	\$1,000 per session	\$0
TOTAL			\$45,000
GRAND TOTAL RCOE:			\$45,000

*(4) Complimentary Forums with minimum of (20) teachers being coached.

This estimate is based on a holistic approach to schoolwide improvement in math perceptions, attitudes and proficiencies. Fees are subject to change based on agreed upon services after conducting the diagnostic and discussion of goals and desired outcomes.

A retainer of 20% will be requested upon execution of the contract for Program Implementation and administration fees.

Thank you very much for your consideration and we look forward to working with you, your staff and your students.

Sincerely,

Lybroan James
STEMulate Learning
Chief Education Officer

Denise Peoples
STEMulate Learning
Chief Engagement Officer