

Los Angeles Mission College is a comprehensive, public two-year accredited institution founded in 1975 as the ninth college in the Los Angeles Community College District.

**Student Characteristics**

Fall 2014 enrollment	10,616
Minority students	85%
First generation college students	75%
Unprepared in English	82%
Unprepared in Mathematics	91%
<i>LAMC Office of Institutional Effectiveness (OIE)</i>	

**Enrollment and success rates 2013-14**

*Enrollment 2013-14	Campus-wide	STEM Courses	
Fall 2013	20,708	4,246	
Spring 2014	20,636	4,283	
*Success rate 2013-14	68%	54%	Institution set standard 64%
<i>*Website: OIE</i>			

**Needs**

As indicated above, the success rate in the STEM courses (54%) is much lower than the institution set standards (64%) and campus-wide (68%). Furthermore, the number of unprepared students in English (82%) and Mathematics (91%) clearly demonstrates that the students lack the basic study skills. Based on the faculty-student interaction, it is observed that most students do not know how to read science and mathematics textbooks correctly.

**Goals**

The goal of this project for faculty is to learn and practice the “Reading Apprenticeship” (RA) Framework to educate students on how to read for understanding. To assure that the strategies are implemented widely the STEM tutors will also be invited to learn the techniques.

**Objectives & Activities**

Six full-time and two adjunct faculty (life sciences, anthropology, and mathematics) will receive training in RA in STEM. The tutors and STEM Center coordinators will be trained at the Full-day workshop and will also receive support from the faculty.

The following activities are planned to increase awareness campus-wide and to introduce the RA in STEM to students, tutors, and faculty:

- Train STEM Tutors
- Present findings at Eagle’s Nest (faculty professional development seminars) & Full-Day RA in STEM workshop to involve campus community
- Introduce RA to STEM faculty (full time and adjunct) at department meetings
- Introduce RA to Personal Development (PD) instructors at the Full-Day RA in STEM workshop
- Meet with Essential Skills committee to recognize RA in STEM as part of Basic Skills
- Design a hybrid RA in STEM shell – enroll at-risk students
- Create a Facebook group/Website to share strategies and resources
- Invite speakers from other community colleges to share success strategies
- Meet as a team, twice per semester to exchange ideas and discuss best practices.

**Summary of All Activities**

Students	STEM Faculty	Campus (All faculty, staff, and administrators)
Individual courses	Presentations at Eagle’s Nest	Presentations at Eagle’s Nest
Hybrid RA in STEM shell	Full-Day RA in STEM workshop	Full-Day RA in STEM workshop
STEM Tutoring Centers	Department meetings	Meet with PD instructors
	Facebook group/Website	Essential Skills committee
	Speakers	Facebook group/Website
		Speakers
		STEM Tutors

***Assessments***

To evaluate the effectiveness of the RA the following data will be assessed by the faculty:

- ❖ SLO assessment
- ❖ Success Rates (Collaboration with OIE)

***College's Contribution***

The Dean of Academic Affairs will provide the support required for faculty.

Travel cost: Professional development (\$500), STEM grant (\$300-500/participant)

Lunch and Flex Credit: Professional development committee will offer lunch on the Full-Day RA workshop and will provide Flex credit.

(500 words)

## Administrator, faculty, and staff (including tutors):

Participant's Position	Names	Events	Dates
<b>Administrator:</b> Dean of Academic Affairs	Madelline Hernandez	<b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	TBD
Team Lead <b>Faculty</b> – Life Sciences	Par Mohammadian	<b>Leadership Community of Practice in Reading Apprenticeship (LCoP)</b> <i>(She has already completed the online and 3-day Introduction to RA in Oakland, CA)</i>  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	Face-to-face: *July 13-16 & 2 days in February 2016 (TBA) at the WestEd offices in Oakland, Online course through fall and Spring 2015-16.  TBD
Co-Team Lead <b>Faculty</b> – Math	Bamdad Samii	<b>RA101 for STEM</b> , a 6-week online course for STEM instructors.  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	Start dates are ongoing beginning Spring 2015.  TBD
<b>Faculty</b> – Life Sciences	Mike Reynolds	<b>RA101 for STEM</b> , a 6-week online course for STEM instructors.  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	Start dates are ongoing beginning Spring 2015.  TBD
<b>Faculty</b> – Life Sciences	Angela Echeverri	<b>3-day Introduction to Reading Apprenticeship in STEM seminar,</b>	*July 29-31, 2015 at the WestEd offices in Oakland,

		(She has already completed the online course)  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	CA.  TBD
<b>Faculty</b> – Life Sciences	Steve Brown	<b>RA101 for STEM</b> , a 6-week online course for STEM instructors.  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	Start dates are ongoing beginning Spring 2015.  TBD
<b>Faculty</b> – Math	Carole Akl	<b>RA101 for STEM</b> , a 6-week online course for STEM instructors.  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	Start dates are ongoing beginning Spring 2015.  TBD
<b>Adjunct Faculty</b> - Anthropology	Maureen Hickey	<b>RA101 for STEM</b> , a 6-week online course for STEM instructors.  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	Start dates are ongoing beginning Spring 2015.  TBD
<b>Adjunct Faculty</b> - Life Science	Patricia Caldani	<b>RA101 for STEM</b> , a 6-week online course for STEM instructors.  <b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	Start dates are ongoing beginning Spring 2015.  TBD
<b>Coordinator</b> - STEM Math-	Maria Renteria	<b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of	TBD

Tutoring Center		25 participants).	
<b>Coordinator - Science Success Tutoring Center</b>	Kristina Gonzalez	<b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	TBD
<b>Entire campus</b> (Special invitation: Counseling, English, STEM faculty, STEM Tutors)	Campus	<b>**Full-day Reading Apprenticeship in STEM workshop</b> held at our campus (with a minimum of 25 participants).	TBD

\*Travel cost: Individual professional development budget (\$500), STEM (\$300-500 each participant)

\*\*Lunch: Work with professional development committee to provide lunch at the Full-Day RA STEM Workshop & request for Flex credit