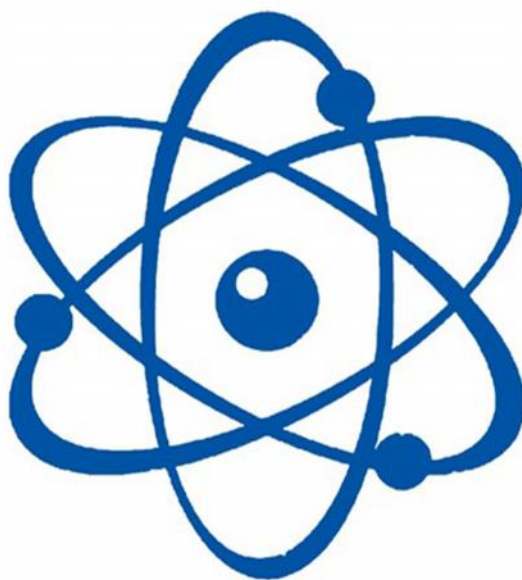


California State University, Stanislaus  
AmeriCorp VISTA STEM Programs  
2017-2018 AY



**SCIENCE IN OUR COMMUNITY**

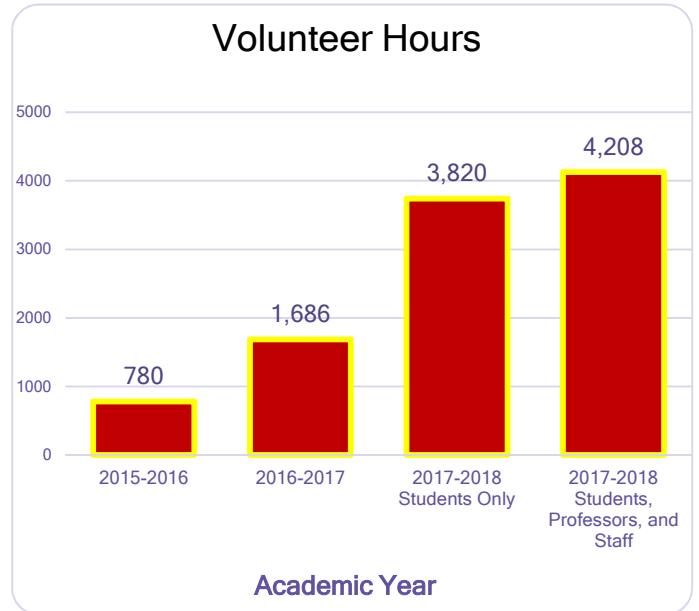
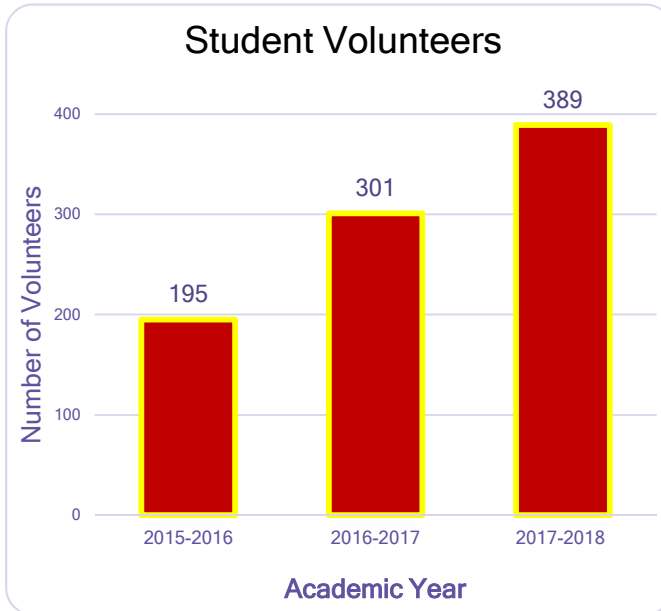
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Email: [stemoutreach@csustan.edu](mailto:stemoutreach@csustan.edu)

Website: <https://www.csustan.edu/science>

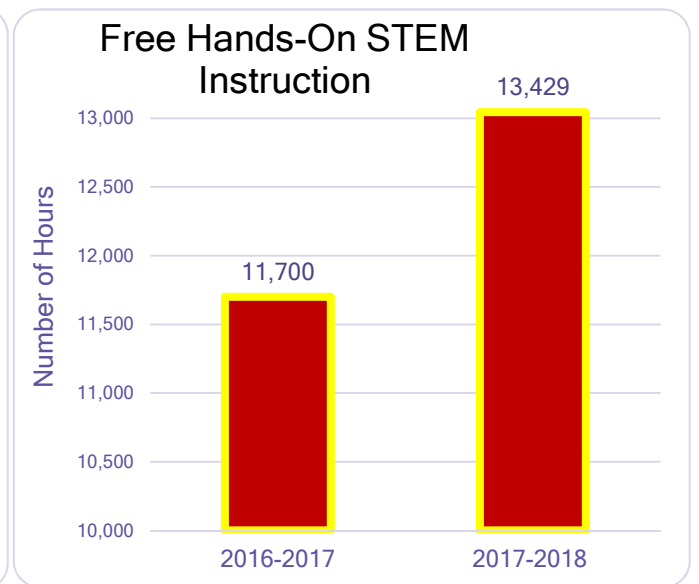
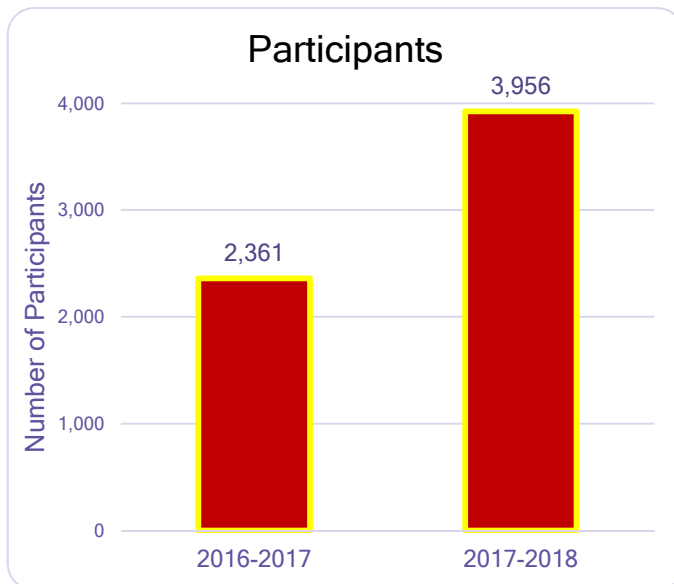
## Volunteers Highlights

For Academic Year 2017-2018, *Science in Our Community* recruited **389** Stan State student volunteers, an increase of 29% from previous year, and **46** College of Science's professors and staff who contributed more than **4,200** hours of volunteer time, an increase of 145% from previous year. These volunteers contributed about **\$99,000** worth of volunteer time.






## Participants Highlights

*Science in Our Community* served more than **3,900** participants in our community who received more than **13,000** hours of free hands-on STEM instruction. This represents more than **5%** of population in Turlock. The program has served over **32** schools in our region.



## Activities Highlights

The *Science in Our Community* has provided more than 60 STEM activities and lectures in Chemistry, Biology, Physics/Physical Sciences/Geology, Child Development, Mathematics, and Nursing. *Science in Our Community* is composed by Science Day, Science Saturday, Junior Scientists, Delhi Medical Academy of Sciences, Science Camps and After School Programs which are design to serve a diverse population.

 <p><b>SCIENCE SATURDAY</b></p> <p><b>Green Energy Technology</b></p> <p>SATURDAY, April 21, 2018 9:00 AM—12:00 PM THE NARAGHI HALL OF SCIENCE, ROOM N101 APPROPRIATE FOR GRADES 7-9 NO CHARGE TO ATTEND!</p> <p><b>SEATING LIMITED RESERVATIONS REQUIRED.</b> PLEASE CALL 209-667-3311 TO RESERVE YOUR PLACE AT ANY OF THESE FUN SCIENCE EVENTS.</p> <p>Students must wear closed toed shoes No food or drinks are allowed in the laboratories</p> <p>PRESENTED BY: Dr. Mark A. Hoffman and the Stan State STEM Ambassadors</p>	 <p><b>SCIENCE IN OUR COMMUNITY</b></p> <p><b>Biology in Your Backyard</b> Summer STEM Camp</p> <p>A FREE 5 Day Program, July 16-20 9:00 AM—12:00 PM THE NARAGHI HALL OF SCIENCE, ROOM N221 APPROPRIATE FOR GRADES 6th - 8th</p> <p><b>SEATING LIMITED RESERVATIONS REQUIRED</b> PLEASE CALL 209-667-3311 TO RESERVE YOUR PLACE</p> <p><b>YOU WILL DO THE FOLLOWING:</b></p> <ul style="list-style-type: none"> <li>Think like a scientist and create your own field guide</li> <li>Discover local plant species</li> <li>Interact with California's reptiles and amphibians</li> <li>Collect your own specimens</li> <li>Identify insects in our community</li> </ul> <p>PRESENTED BY: Heather Friedberg and the STEM Ambassadors</p>	 <p><b>SCIENCE IN OUR COMMUNITY</b></p> <p><b>Coding with Ozobots</b> After School Science Program</p> <p>A FREE 5 Day program, every Friday starting 4/13-5/11 3:30 PM—5:00 PM THE NARAGHI HALL OF SCIENCE, ROOM 229 APPROPRIATE FOR GRADES 4th - 7th</p> <p><b>SEATING LIMITED RESERVATIONS REQUIRED</b> PLEASE CALL 209-667-3311 TO RESERVE YOUR PLACE</p> <p><b>YOU WILL DO THE FOLLOWING:</b></p> <ul style="list-style-type: none"> <li>Learn to code using the Ozobots</li> <li>Perform activities and complete tasks using Ozobots</li> <li>Integrate STEM subject material into other content areas</li> <li>Meet students with an interest in coding</li> <li>Let's create, learn, and play!</li> </ul> <p>PRESENTED BY: Stan State STEM Ambassadors</p>
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## Stan State Student Impact

The **STEM Ambassador Program** is a student leadership program for undergraduate students in the STEM disciplines that was created in 2016-2017. Currently, the program has **34** participants who lead other volunteers in the different programs and provide the main volunteer structure for any of the programs. Most of the STEM Ambassadors have served more than **25** volunteer hours in the academic year. If a STEM Ambassador desires to earn credit, they can enroll in the **STEM Ambassador Internship**. This program received the **Greatest Achievement Award** from the Office of Student Leadership and Development for the 2017-2018 academic year.

### Excerpts from the STEM Ambassadors:

"Science Saturday helped me share my knowledge to the young children. It was very interesting and nice to see that children get to learn physics and engage in the activities assigned for them. The event was successful."

"The Physics Day that we held this past Saturday was incredibly fulfilling. I had the opportunity to not only connect with my peers, but get connected with the youth in our community. What was most exciting was getting the opportunity to construct our own experiments and then proceed to enact them."

**Retention Rates\* & Graduation Rates\*\***  
**Cohort Years (CY) 2010, 2011, 2012, 2013, 2014, 2015**  
**Participated in Service Learning & Did Not Participate**

*First-Time Freshman*

*Cumulative*

	Yr 1		Year 2		Year 3		Year 4		Year 5		Year 6		Year 7	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>Cohort Year 2010</b>														
Service Learning	22	100%	22	100%	22	100%	22	100%	16	73%	7	32%	3	14%
Non-Service Learning	186	60%	112	60%	80	43%	61	33%	43	23%	25	13%	10	5%
<b>Cumulative</b>														
Grad Year 4	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 5	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 6	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 7	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>Cohort Year 2011</b>														
Service Learning	11	100%	11	100%	11	100%	10	91%	9	82%	4	36%	0	0%
Non-Service Learning	172	60%	103	60%	69	40%	57	33%	45	26%	23	13%	7	4%
<b>Cumulative</b>														
Grad Year 4	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 5	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 6	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 7	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>Cohort Year 2012</b>														
Service Learning	16	94%	15	94%	14	88%	11	69%	7	44%	1	6%	3	19%
Non-Service Learning	193	65%	125	65%	88	46%	70	36%	57	30%	31	16%	7	4%
<b>Cumulative</b>														
Grad Year 4	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 5	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 6	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 7	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>Cohort Year 2013</b>														
Service Learning	15	93%	14	93%	13	87%	14	93%	9	60%	---	---	4	27%
Non-Service Learning	188	64%	120	64%	76	40%	63	34%	44	23%	---	---	12	6%
<b>Cumulative</b>														
Grad Year 4	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 5	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 6	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 7	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>Cohort Year 2014</b>														
Service Learning	18	94%	17	94%	18	100%	18	100%	---	---	---	---	0	0%
Non-Service Learning	210	61%	129	61%	96	46%	82	39%	---	---	---	---	1	0%
<b>Cumulative</b>														
Grad Year 4	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 5	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 6	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 7	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>Cohort Year 2015</b>														
Service Learning	12	100%	12	100%	12	100%	---	---	---	---	---	---	---	---
Non-Service Learning	198	61%	120	61%	92	46%	---	---	---	---	---	---	---	---
<b>Cumulative</b>														
Grad Year 4	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 5	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 6	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Grad Year 7	N	%	N	%	N	%	N	%	N	%	N	%	N	%

\*Retention: Excludes students who have changed major to a non-STEM major and/or students who are no longer enrolled.  
 \*\*Graduation Rates: Includes students who graduated in Fall, Spring, and Summer.

## Graduation/GPA Highlights

Comparison of Students  
Cohort Years (CY) 2010, 2011, 2012, 2013, 2014, 2015 & 2016  
Participated in Service Learning & Did Not Participate

		2010 Cohort		2011 Cohort		2012 Cohort		2013 Cohort		2014 Cohort		2015 Cohort		2016 Cohort	
		Service Learning	Non-Service Learning	Service Learning	Non-Service Learning	Service Learning	Non-Service Learning	Service Learning	Non-Service Learning	Service Learning	Non-Service Learning	Service Learning	Non-Service Learning	Service Learning	Non-Service Learning
<b>First-Time Transfers</b>															
Average Cumulative Units Completed															
	Fall 2010	82	79	--	--	--	--	--	--	--	--	--	--	--	--
	Fall 2011	107	107	84	75	--	--	--	--	--	--	--	--	--	--
	Fall 2012	130	128	112	103	82	77	--	--	--	--	--	--	--	--
	Fall 2013	146	147	134	121	107	103	83	81	--	--	--	--	--	--
	Fall 2014	146	149	141	141	138	124	107	106	83	86	--	--	--	--
	Fall 2015	175	159	154	150	147	143	133	127	105	109	104	84	--	--
	Fall 2016	0	89	171	154	0	156	129	143	129	133	123	109	80	83
	Fall 2017	0	0	--	153	0	159	139	132	154	136	145	127	102	105
Average Cumulative GPA															
	Fall 2010	3.03	2.98	--	--	--	--	--	--	--	--	--	--	--	--
	Fall 2011	2.99	2.96	2.93	2.88	--	--	--	--	--	--	--	--	--	--
	Fall 2012	2.98	2.94	2.90	2.95	3.08	3	--	--	--	--	--	--	--	--
	Fall 2013	2.91	2.88	2.92	2.96	3.15	3.06	3.01	2.98	--	--	--	--	--	--
	Fall 2014	2.51	2.81	2.99	2.82	3.27	3.05	2.95	3.01	2.97	3.06	--	--	--	--
	Fall 2015	3	2.59	2.66	2.93	3.03	3.03	2.87	3.00	3.01	3.06	3.31	3.07	--	--
	Fall 2016	0	3.40	2.59	2.91	0	2.79	2.86	2.89	3.02	3.08	3.23	3.06	3.34	2.95
	Fall 2017	0	0	0	2.90	0	2.72	2.94	2.81	2.96	2.92	3.13	3.03	3.33	2.92
Ethnicity															
	African American	0	3	0	3	0	2	0	1	0	2	1	0	0	2
	Asian	0	13	5	19	1	10	1	14	3	14	0	22	0	14
	Hispanic	5	27	2	31	2	24	3	42	8	26	9	52	3	35
	White	6	45	1	39	6	21	8	44	3	41	4	35	5	36
	Other	2	7	0	6	1	3	1	12	0	5	0	7	0	2
	Unknown	0	8	0	13	1	15	0	8	0	7	0	4	0	7
% of Students who are Pell Eligible															
	Yes	38%	55%	44%	60%	45%	64%	77%	72%	57%	62%	50%	58%	75%	70%
	No	62%	45%	56%	40%	55%	36%	23%	28%	43%	38%	50%	42%	25%	30%
% of Students who are 1st Generation															
	Yes	38%	69%	56%	61%	64%	61%	46%	76%	57%	62%	64%	53%	63%	71%
	No	62%	31%	44%	39%	36%	39%	54%	24%	43%	38%	36%	47%	38%	29%

