



STEM Success: 2019 STEM Discovery Academy



Facilitators:

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STEM Success

STEM (Students Transitioning to Engaged and Motivated) Success

Goal: Improve enrollment representation and degree completion of Hispanic, under-represented /under-served and/or low-income transfer and non-transfer students in STEM disciplines. The focus is on students newly admitted to our campus.

Six STEM disciplines: Biology, Chemistry, Computer Science, Geology, Mathematics, and Physics

SDA | STEM Discovery Academy

Two-week Summer Program:

Incoming Freshmen: dormitory living, 7 days-a-week, free room and board with meals (FREE!)

Incoming Transfer Students: non-residential summer academy with meals provided (FREE!)

Weekends and Select Weekdays: STEM field trips

- Monterey Bay Aquarium, CA Academy of Science
- Calaveras Big Trees and more!

Weekdays: STEM-related activities

- Tour Your Department, do STEM Research, Bond with Incoming STEM Majors and STEM Faculty, Build a Boat, Present a Research Poster, and More!



SDA Eligibility

1. You have been newly admitted to Stanislaus State as a first-time freshman, or as a first-time transfer from a community college

AND

2. You have declared a major in STEM (Biology, Chemistry, Computer Science, Geology, Mathematics, Physical Science, Physics, or Undeclared with a Biology Interest).

AND

3. You are a first generation college student (neither of your parents has earned a bachelor's degree), OR Hispanic, OR from a group traditionally under-represented/under-served in STEM, OR low income

SDA Application



Application Deadline:
*Open until filled, maximum 24
students each session*

Application Follow-up:
*Notification by Phone
and Email*

2019 SDA: Two 2-Week Sessions



Session I: JULY 7, 2019 through
JULY 19, 2019

Session II: JULY 21, 2019 through
AUGUST 2, 2019

➤ *Sample two-week schedule on
next two slides*



2018 STEM Discovery Academy Sample Schedule*

Week 1

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
7:00	Welcome Students			Breakfast			Breakfast	
7:30								
8:00		Breakfast	Breakfast		Breakfast	Breakfast		
8:30		Kickoff	Kick-off		Kick-off	Kick-off		
9:00		Lab Activity	Guest Speaker		Math Activity	Geology Activity		
9:30								
10:00			Math Activity		Free Time			
10:30					Lunch	Lunch		
11:00								
11:30								
12:00		Lunch	Lunch		Lunch	Lunch		
12:30								
1:00								
1:30		Group Activity	Campus Activity	Field Trip	Department Day	Group Activity	Field Trip	
2:00								
2:30		Free Time						
3:00								
3:30		Computer Science Activity	FT Orientation		Guest Speaker			
4:00								
4:30			Guest Speaker					
5:00	Free Time		Group Activity					
5:30								
6:00	Dinner	Dinner	Dinner		Dinner			
6:30								
7:00								
7:30	Study Time	Faculty Student Games	Guest Speaker	Movie				
8:00								
8:30								
9:00					Discussion			

* Schedule is subject to change

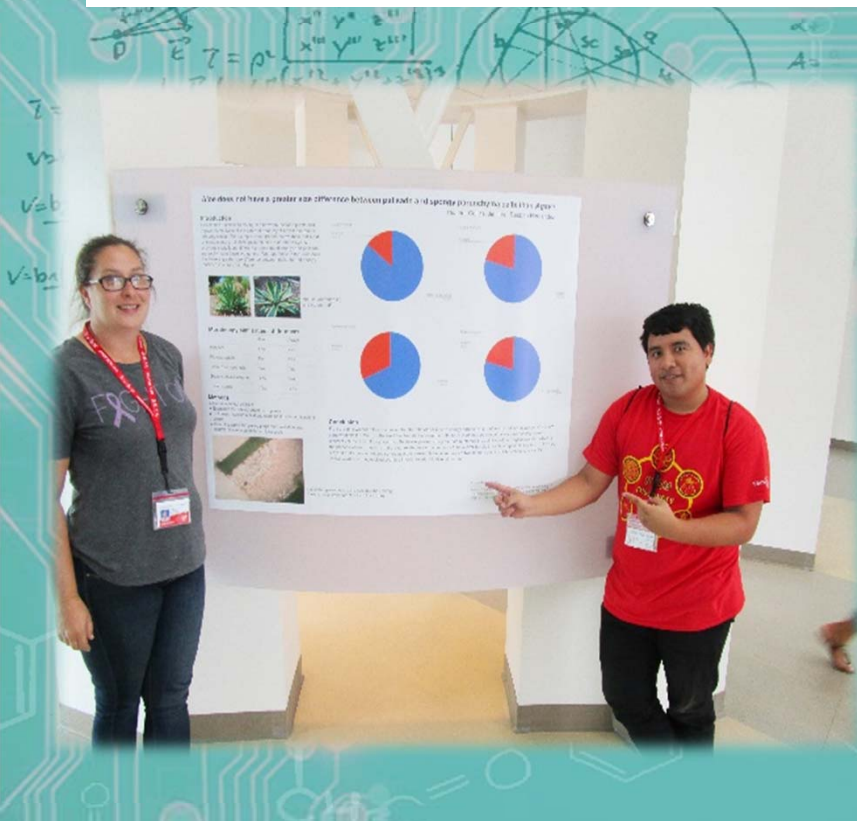
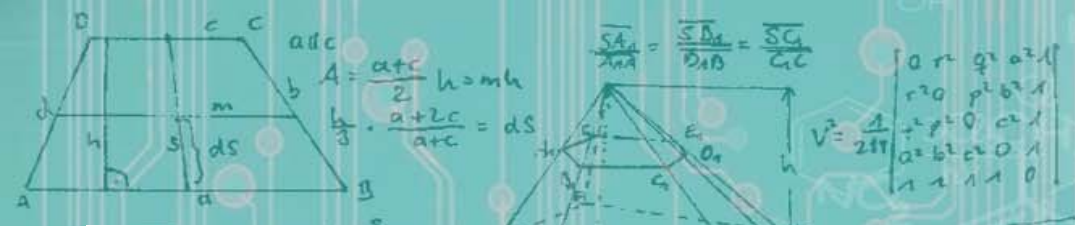
Please note: Some activities are specific to Freshmen only. Transfers will participate in research specific activities.

Week 2

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
7:00					Breakfast		
7:30							
8:00	Breakfast	Breakfast	Breakfast	Breakfast	Field Trip	Breakfast	
8:30							
9:00		Kick-off	Kick-off	Kick-off		Kick-off	
9:30	Field Trip	Computer Exercise Activity	Tutoring			Poster Sessions Continued	Math Activity
10:00							
10:30							
11:00			Math Activity			Free Time	
11:30						Poster Practice	
12:00			Lunch	Lunch		Lunch	Lunch
12:30							
1:00			Group Activity	Group Activity	Poster Sessions Work	Poster Session	
1:30							
2:00					Guest Speaker	Pool Party and Awards Ceremony	
2:30							
3:00							
3:30			Free Time				
4:00							
4:30	Free Time	Free Time	Outdoor Activity	Poster Activity	Clean Up and Depart Dorms		
5:00		Outdoor Activity					
5:30							
6:00	Dinner	Dinner	Dinner	Dinner			
6:30							
7:00	Free Time	Laser Activity	Poster Sessions Introduction	Free Time			
7:30							
8:00							
8:30							

SDA Student Benefits

- ✓ Great Learning Experience in various STEM Disciplines
- ✓ Engage with Faculty
- ✓ Hands-on STEM Activities
- ✓ Advanced Knowledge of Campus Resources
- ✓ Head-start to College Career
- ✓ Receive Peer Support
- ✓ Make Friends and Have Fun!!



SDA Student Expectations



Make Friends and Have Fun!!

- ✓ Be Respectful/Professional
- ✓ Be on Time
- ✓ Pay Attention to Details
- ✓ Follow Directions
- ✓ Take Initiative
- ✓ Be Flexible
- ✓ Do Your Best and Participate
- ✓ Converse with STEM Faculty and Peer Mentors

SDA Faculty



SDA Peer Mentors



The SDA Experience, Q & A



Contact Information

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Thank you!