
MEMO—OFFICE OF THE PRINCIPAL

Date: October 15, 2018
To: Dr. Kent Mutchler
From: Mr. Tom Rogers
Re: Out-of-State STEM San Francisco Trip



OK KM

Geneva High School is requesting permission for students interested in STEM fields to participate in an out-of-state field trip in June of 2020. This trip would be organized with the help of EF Educational Tours and would be open to students that would have just finished their freshman, sophomore, or junior year. The purpose of this trip is to provide students with the opportunity to learn more about the world around them and how the many aspects of STEM fit into the world around them. Several fields of engineering would be highlighted on this tour which is all inclusive. Students would not have to bring any additional funds with them as all meals, transportation and lodging are included. The trip as described on the company's website:

San Francisco

Well known as the home of some of the world's most recognizable technology companies, it's no surprise that San Francisco has a thriving culture built on science, technology, engineering, and math. Lately, many tech companies have shifted back from Silicon Valley to San Francisco as the emphasis on tech has shifted from hardware to software. During your tour of this foggy, tech-friendly city, you'll discuss environmental conservation in a redwood forest, have a real-life "Shark Tank" experience as you listen to startups pitch investors at the Plug and Play Tech Center, and explore the artsy side of tech with a visit to the Autodesk Gallery.

The tentative itinerary and trip details are as follows:

- *Day 1: San Francisco*
Take a guided tour of San Francisco - Chinatown, Lombard Street, Golden Gate Bridge, Fisherman's Wharf
Take a cable car ride
- *Day 2: San Francisco*
Explore one of California's unique ecosystems, such as a redwood forest or mountaintop landscape
Visit the Exploratorium
- *Day 3: Silicon Valley • San Francisco*
Visit a startup incubator
Participate in an interactive, team-based scavenger hunt through San Francisco
- *Day 4: San Francisco*
Visit Autodesk Gallery and explore 3D printing technology
Take a guided tour of the San Francisco Museum of Modern Art
- *Day 5: San Francisco*
Visit the California Academy of Sciences and take a behind-the-scenes tour
Take a tour of the Marine Mammal Center

Learn what it takes to build a career in marine science

- *Day 6: San Francisco*

Visit the Walt Disney Family Museum

Explore Disney's legacy of technological innovation with a guided tour

1. Trip Dates: Depart → Monday, June 8, 2020
Return → Saturday, June 13, 2020
2. Number of Students Attending: 30-35 students approximately, cap of 40
3. Transportation: To Be Determined by EF Tours
4. Cost of Trip: \$2,500 (approximately)
Fundraising can be done to reduce the cost. There will be no cost to the district for this trip. Cost will depend on the number of students attending
5. Adult Chaperones: Jennifer Arnett
One chaperone for every 10 students
Rob Showwalter and Chris Arnett have expressed interest
6. Goals:
 - a. Students will explore a variety of careers related to STEM fields and engineering
 - b. Students will learn how many of these fields connect together and be exposed to examples of that work
 - c. Students will gain a greater understanding of what it will take to work in STEM and engineering careers.