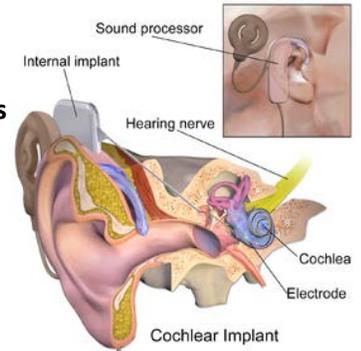




MAPS presents free, informative and engaging community science programs.

7:30 pm, MJC West Campus Sierra Hall 132*

Sept. 29 - David Sheaffer, UCD, ***“Improving Damaged Hearing: Cochlear Implants”*** (FLEX 5111), A cochlear (koe-klee-er) implant is a device that provides direct electrical stimulation to the hearing nerve in the inner ear. Children and adults with moderate to profound hearing loss who cannot be helped with hearing aids may be helped with cochlear implants. With this type of hearing loss, there is damage to tiny hair cells in the part of the inner ear called the cochlea. Because of this damage, sound cannot reach the auditory nerve. With a cochlear implant, the damaged hair cells are bypassed, and the auditory nerve is stimulated directly. The cochlear implant does not result in “restored” or “cured” hearing. It does, however, allow for the perception of the sensation of sound.



Oct. 27 - John Buckley, CSERC: ***“Forest Health and Fire Resiliency in a Changing Climate”*** - What effect does a warming climate have on the capability of Sierra Nevada forests to be resilient to wildfires? To what degree has the combination of recent drought and insects altered forest conditions? Is there any clear trend in wildfire impacts in the Sierra Nevada? Will forest management choices made in the near term potentially affect forests, wildlife, recreation, and forest watersheds for decades into the future? (FLEX 5112)



* Nov. 3 - MJC East Campus Auditorium, a Family Science (all ages) Presentation. National Geographic Explorer and TED speaker, Tierney Thys (FLEX 5113)

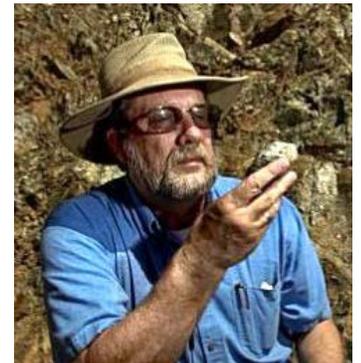
“Ocean Engine of Life” - Get ready to jump off the land and into the water for a wild ride around the entire world ocean. As we encounter places of destruction and desolation, hope and salvation, we'll learn of the ocean's immense importance to all life, how it has influenced human evolution and world history. Discover state-of-the-art research (including the ocean sunfish of course!) aimed at ensuring a healthy ocean and planet for generations to come. Come dive in!



https://www.ted.com/talks/tierney_thys_swims_with_the_giant_sunfish

Tierney will conduct a free marine biology workshop for teachers on 11/4 am. Visit <http://murov.info/thys.pdf> for more info.

Dec. 1 - Garry Hayes, MJC Geology Professor – ***“Geologic Changes that Have Created Our Present Geography.”*** The discussion will include topics such as why Antarctica has been frozen for about 35,000,000 years, but not before, Antarctic circumpolar current; how that ice can reveal much about the past; the impact of splitting up of Pangea; how the rising of Panama altered the heat distribution system of the Earth, and more. (FLEX 5114)



MAPS is grateful to SCOE, ASMJC and the MJC Foundation for generous support.

4/6/18 Spring Family Science Preview, Raja GuhaThakurta, UCSC, ***“Our Place in the Cosmos”***. (FLEX 6003)

https://www.astro.ucsc.edu/faculty/profiles/singleton.php?&singleton=true&cruz_id=pguhatha

For MAPS downloadable schedule, see: <http://murov.info/maps.pdf> .

For science events in Stanislaus County, see: <http://murov.info/scienceevents.htm> .