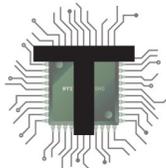


**PALOMAR COLLEGE**



SCIENCE



TECHNOLOGY



ENGINEERING



MATHEMATICS

**STEM COUNSELORS**

Monday  
8:30am-3:30pm

**BECOME A STEM SCHOLAR**

Are you a US citizen or permanent resident and interested in pursuing an education in a STEM field? If so, then the STEM Scholars Program may be the perfect fit for you. For more information, visit [www.palomar.edu/STEM](http://www.palomar.edu/STEM) or talk to a STEM Center staff member.

**WANT MORE?**

- ◆ [www.fb.com/PalomarSTEM](http://www.fb.com/PalomarSTEM)
- ◆ [www.palomar.edu/STEM](http://www.palomar.edu/STEM)

**PI DAY**

**Monday, March 14, 2016**

Pi Day is celebrated on March 14th (3/14) around the world. Pi (Greek letter “π”) is the symbol used in mathematics to represent a constant — the ratio of the circumference of a circle to its diameter — which is approximately 3.14159.

Pi has been calculated to over one trillion digits beyond its decimal point. As an irrational and transcendental number, it will continue infinitely without repetition or pattern. While only a handful of digits are needed for typical calculations, Pi’s infinite nature makes it a fun challenge to memorize, and to computationally calculate more and more digits.

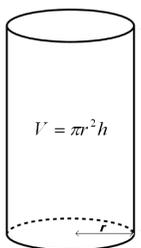
Where is Pi used:

**Geometry**

*The area of a circle.*

$$A = \pi r^2$$

Where ‘r’ is the radius (distance from the center to the edge of the circle).



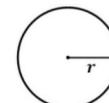
*The volume of a cylinder.*

$$V = \pi r^2 h$$

To find the volume of a rectangular prism, you calculate length × width × height. In that case, length × width is the area of one side (the base), which is then multiplied by the height of the prism. Similarly, to find the volume of a cylinder, you calculate the area of the base (the area of the circle), then multiply that by the height (h) of the cylinder.

To learn more about Pi Day visit: <http://www.piday.org/learn-about-pi/>

AREA OF CIRCLE



$$A = \pi r^2$$

\* Where π = 3.142

**SUPER STEM SATURDAY**

**Sat, March 12, 2016, CSUSM, 10:00a-4:00p**

Explore interactive demonstrations and hands-on science activities at Super STEM Saturday, including rocket launches, build-a-robot stations, model displays, scientist chats and an obstacle course. The event is free and open to the public. Complimentary parking available in Lot F. Super STEM Saturday is designed to expose and engage kids of all ages and their families to the diverse and exciting fields of science, technology, engineering and mathematics, known as the STEM disciplines.

**COUNSELING**

Do midterms have you feeling stressed out or anxious? Stress can cause our bodies to respond in different ways and can affect your over all health. If you are feeling stressed, check out these [stress reduction techniques](#) by counselor Tom Ventimiglia. Attempt to exercise a few days a week or try some breathing techniques. Reducing your stress can help you a lot, especially as the semester progresses. You can also make an appointment with one of our counselors to talk about other methods to cope with stress.

**CONTACT INFORMATION**

STEM Center Staff Hours

**Monday– Thursday**

8:00a-4:30p

Friday

7:30a-4:00p

760-744-1150, Ext. 2265

**Mireya Gutiérrez-Agüero**

HSI STEM Supervisor

760-744-1150, Ext. 3748

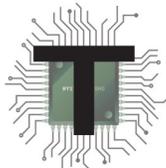
**Jessica Perez Ambrocio**

STEM Tutorial Specialist

760-744-1150, Ext. 2292

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**COASTAL AND MARINE SCIENCE DAY****Sun, March 13, 2016, 10:00a-3:00p**

The 2016 Marine Science Day is a free event open to the public that will showcase current research at SDSU, the facilities at CMIL, and tons of educational activities related to marine ecology, conservation, and importantly the impacts of the current El Nino on San Diego's marine ecosystems. This a once a year opportunity where CMIL has opened its doors and is a rare chance to experience what goes on at a working marine research laboratory. Visit <http://www.sci.sdsu.edu/cmi/cmil-marine-science-day/> for more information.

**GENERAL ATOMICS SPEAKERS****Wed, March 16, 3:00p-4:30p, Palomar College Planetarium**

Professionals from General Atomics (GA) will be on campus to talk about their academic journey and how they arrived in their current careers. General Atomics (GA) and its affiliated companies now constitute one of the world's leading resources



for high-technology systems ranging from the nuclear fuel cycle to electromagnetic systems, remotely operated surveillance aircraft, airborne sensors, and advanced electronic, wireless and laser technologies. For over 50 years, GA and its affiliates have been qualified by U.S. Government organizations, including the Department of Energy, Department of Defense and the National Science Foundation, as a government contractor and facilities operator. If you are interested in attending, or would like more information, please email [stemprogram@palomar.edu](mailto:stemprogram@palomar.edu). We invite all students and staff to attend. Space will be limited, please send your RSVP soon.

**SDSU SCIENCE & ENGINEERING SAMPLER****Sat, March 19, 9:00a-4:00p, SDSU Campus**

The College of Sciences and the College of Engineering at San Diego State University opens its doors to students and families to showcase interactive exhibits. For more information please visit: <http://sci.sdsu.edu/sampler/>

**3<sup>RD</sup> ANNUAL "WHAT CAN YOU BE WITH A PHD?" STEM  
CAREER SYMPOSIUM****Sat, March 26, 2016, 8:00 am - 7:00 pm, Sanford Consortium for Regenerative Medicine**

The creators of this Symposium share the same career questions and dilemmas, and have worked to address these questions by bringing resources directly to our community. This one-day event will feature a variety of career paths from both public and private sectors. Importantly, in our interactive sessions you will have the opportunity to speak with professionals who have successfully transitioned outside of academia. Furthermore, in response to the overwhelmingly positive feedback received from our previous Symposium, this year will feature an additional session covering Research and Development in Non-Biotech, providing you with even more information to help guide your future. The event cost is \$35. To purchase tickets and register visit, <http://pda.ucsd.edu/events/events-stem-career.html>.

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