



The WV STEM Club is a social organization which meets monthly for lunch with a speaker on a topic of interest. Short field trips are occasionally scheduled. Membership is open to anyone who has worked in or has an interest in Engineering, Science or Technology. Meetings are held at 11:30am on the first Friday of each month (unless otherwise noted), October through June, at Grandview Terrace, in the fourth-floor ballroom, at 14515 W. Granite Valley Drive, Sun City West, AZ. **Guests and visitors are always welcome.** Contact Phil Main: maintwin3@gmail.com, 623-826-0101 (cell).

MAY 9 PROGRAM

Updated Science of Preventing

Alzheimer's Disease

Mike Malek-Ahmadi, PhD,

GStat Bioinformatics Scientist

Banner Alzheimer's Institute



Dr. Malek-Ahmadi earned a BS from the University of Arizona, a MS from the University of South Florida, and a PhD from the University of Westminster. He has worked in the field of Alzheimer's disease research since 2003 and is an author on over 60 peer-reviewed journal articles in the areas of Alzheimer's disease, mild cognitive impairment, and normal aging.

Can scientists find a way to stop Alzheimer's disease before it ever affects your memory and thinking? Research efforts to prevent the disease are now focused on individuals who may be at risk for Alzheimer's but do not show any symptoms. This fascinating presentation will provide an overview of how Alzheimer's disease is defined before symptoms appear and how it is being used to develop preventative therapies.

VICE PRESIDENT'S MESSAGE

Gary Graunke

One side-effect of the Covid pandemic was that we had time to catch up on our reading. In my case I found three timely books in my library. The best was John M. Barry's book about the 1918 pandemic: "The Great Influenza--the Epic Story of the Deadliest Plague in History". I was struck by this sentence in the prologue: "... up to a few decades before World War I the practice of medicine had remained quite literally almost unchanged from the time of Hippocrates". The founding of Johns Hopkins University and its medical school in 1876 was the beginning of science-based medical research and training in the United States. Since then our life expectancy has greatly increased thanks to our continuing research and consequential improvements in medical technology and practice.

Today we are privileged to get an update on our progress in preventing Alzheimer's disease and to get to know two of our scholarship winners.

We are reiterating our plea for members to step up and fill vacancies for our president and reservations positions. We always welcome new faces and ideas to our board. Our next board meeting is May 19 at 9:30 in the Grandview Terrace cafeteria.

2025 MEMBERSHIP DUES

Dues for 2025 are \$25.00 of which half goes to the Scholarship Fund. **Please consider making an additional donation to the Scholarship Fund** (put scholarship in the memo line). Please mail your check(s), made out to West Valley STEM to: Philip Main
17604 N Buntline Drive, Sun City West, AZ 85375-5148
maintwin3@gmail.com , 623-748-8222 (Home), 623-826-0101 (Cell)

SPEAKERS NEEDED

If you or someone you know will provide a STEM presentation for a future meeting, please contact

Jim at js3820@msn.com.

WEST VALLEY STEM May 2025

2025 OFFICERS

President	Open
Vice President	Gary Graunke
Secretary	Betty Goldberg
Treasurer	Carol Mungas
Asst. Treas.	Dave Campbell

COMMITTEE CHAIRPERSONS

Programs	Peter Rauen/Rick Cecil
Membership	Steve Sumner
Reservations	Philip Main
Luncheons	Jim Schlenvogt
Scholarship	Jim Schlenvogt
Member at Large	Don Zoss
Newsletter	Dave and Karen Campbell
Website	Gary Graunke
Event Audio	Paul Scherer
Event Computer	Paul Scherer
Publicity	Lance Berglund
Field Trips	George Zieglsangberger
Past President	Jim Schlenvogt

Email the Board at: js3820@msn.com

Scholarship Committee Report

Committee Chair
Jim Schlenvogt

On March 3, 2025 the Scholarship Committee of Karen Campbell, David Campbell, Steve Sumner, George Zieglsangberger, and Jim Schlenvogt interviewed five graduating Sophomore Glendale Community College STEM Students. After the interviews, the Scholarship Committee recommended the following three STEM students to receive scholarships. All three STEM Students have been accepted for the Fall, 2025 semester at ASU. All three will be attending a future Club meeting to speak to the Group.



Ariel Antonini
Mechanical
Engineering
\$2,000



Abigail Benitez
Biological Science
(Wildlife)
\$2,000



**Emmanuel
Zelaya-Amenta**
Computer Science
\$2,000

TREASURER'S REPORT APRIL 2025

Gross General Fund Balance	\$12,644
Net Fund Balance (after payment of obligations)	\$10,483
Membership	116

The April 50/50 winner was Tom Francis who donated the \$88 back to scholarship. Thank You for Your Support!

APRIL 4 PROGRAM

Current Status of the Colorado River Basin
James Heffner, Senior Hydrologist
Colorado River Management Arizona
Department of Water Resources



2025 MEETING DATES

The Club's **REVISED** meeting dates for 2025:

05/09/2025 (SECOND Friday of the Month)

06/06/2025 (First Friday of the Month)

JUNE 6 PROGRAM

ADOT Five-Year Capital Construction Projects
Iqbal Hossain, PE
Deputy Director, Multimodal Planning
Arizona Department of Transportation