Mondays

Introduction to the Rodeo

**Subject Area:** Arizona History/Culture

**Mondays:** 2 Sessions 9:30 AM - 11:00 AM  **Start:** Mon 1/28/19  **End:** Mon 2/4/19

**Location:** Vail Del Web Ballroom

**Course Description**
The rodeo has been coming to Tucson since 1925. Known as "La Fiesta de los Vaqueros" the Tucson rodeo is held each year in February. This course will give attendees the necessary basics so one can attend and understand what is taking place at each event. Both Gene and Gary have been avid rodeo fans their whole life and have a great deal to share. If you plan to attend this year’s Rodeo, this study group is a must for you.

**Instructor:** Gene Bryan

Gary and Gene would be the first to confess they are not historians in the traditional sense, but will admit to being history junkies" with an emphasis on the West and a growing interest in the Civil War. Gary Heidle's career included duty with the Montana National Guard and later the National Guard Bureau, then consulting work on government contracting for nearly two decades. Gene Bryan's career included two stints with the Wyoming Travel Commission, ten years in rodeo marketing and management and a quartet of years as director of the Cody (WY) Chamber of Commerce."

**Co-leader:** Gary Heidle

Search for the Northwest Passage

**Subject Area:** History/Current Events

**Mondays:** 4 Sessions 1:00 PM - 2:30 PM  **Start:** Mon 2/4/19  **End:** Mon 2/25/19

**Location:** Vail Del Web Ballroom

**Course Description**
We will follow the historical expeditions as several nations from Europe and later North American sought a northern sea route to Asia. If it could be found, the cost and time savings were believed to be substantial. However, the explorers would find that the sea lanes were covered with thick ice while the severe arctic weather would prove to be another obstacle. We will explore how the ice and the freezing temperatures would produce a series of hazardous explorations that continued for over 400 years.

**Instructor:** Kevin McDermott

Born in Canada, Kevin enjoys presenting segments of Canadian history that impacted the world. Kevin moved to California when he was a teenager. After graduation from college, he spent much of his working life on the East Coast in Philadelphia and New York City. Kevin retired in Vail where he lives with his wife.
**Stormy Weather**

**Subject Area:** History/Current Events  

**Mondays:** 7 Sessions 10:00 AM - 12:00 PM  
**Start:** Mon 2/11/19  
**End:** Mon 3/25/19  
**Location:** Vail Del Web Ballroom

**Course Description**  
This will cover the Great Depression and the New Deal 1933-1939, the 100-days-Congress, and Roosevelt’s plan for relief, recovery and reform, and the Dust Bowl. Secondly, we would cover Roosevelt and the Shadow of War, 1933-1941, Isolationism and foreign policy, German-Japanese-Italian aggression, Neutrality Acts 1935-1939, Cash & Carry and the Lend-Lease Act, failure of the Versailles Treaty and Appeasement, Atlantic Charter 1941, Japanese attack on Pearl Harbor, the internment of Japanese Americans, mobilizing the economy, women in the war effort, turning the tide against Japan in the Pacific 1943, campaigns in North Africa 1942 and Italy 1943, D-Day 1944, Germany surrenders, the Atomic Bomb, and VJ Day, Cold War begins 1945-1960, the Sunbelt and the suburbs, conformity in society, Baby Boom, United Nations, Truman Doctrine and Containment, NATO, Korean War 1950-1953, Consumer culture in the 1950s, the Red Scare, McCarthyism, desegregation starts, Space Race, Arms Race, Fail Safe and MAD, Eisenhower and the Warren Court.

Instructor: Jerry Howell, Ph.D.

Jerry Howell has 46 years of teaching experience at the high school and college level. He received his B.A, from San Jose State University, M.S. from Cal Poly, San Luis Obispo and Ph.D. from Oregon State University. His teaching experience has included graduate-level courses and Advanced Placement in U.S. History, Human Geography and World History.

**Travels with OLLI**

**Subject Area:** Travel/Entertainment  

**Mondays:** 5 Sessions 3:00 PM - 4:30 PM  
**Start:** Mon 3/4/19  
**End:** Mon 4/1/19  
**Location:** Vail Del Web Ballroom

**Course Description**  
Travel Presentations by various OLLI members who have travelled the globe. This is not your parents home movies. Among the travels you will enjoy the marvels of South Africa in post appertheid with Carlos and Elayne. Join Tessa and Kevin on a 22-day tour of the French Wine Country. These and other ventures will

Instructor: Bonnie Steel

Worked as a psych nurse then co-owned & operated a small business for 15 years. Enjoy quilting, traveling, & reading.

Co-leader: Ian Steel

**History of Rock & Roll**

**Subject Area:** Arts/Culture

**Mondays:** 3 Sessions 1:00 PM - 2:30 PM  
**Start:** Mon 3/11/19  **End:** Mon 3/25/19

**Location:** Vail Theater of the Arts

**Course Description**

Held at the Vail Theater of the Arts (VTOTA) with its tremendous sound effects, so we can capture the music as it was meant to be heard. We will take you through the evolution & mutations of music that created Rock N’ Roll. Starting at the early beginnings, and concentrating on the 50’s, 60’s, and 70’s. The music will get your hands clapping and your feet stomping.

**Instructor**

Edwin Barbier

BA St. Mary’s University of MN; Elementary teacher 1968 - 1976; started a legal photography business, ending up in film & video production.

**Tuesdays**

**World War II**

**Subject Area:** History/Current Events

**Thursdays:** 8 Sessions 10:30 AM - 12:30 PM  
**Start:** Tue 1/29/19  **End:** Tue 3/26/19  - **No class on 3/12**

**Location:** Christ Lutheran Vail Church

**Course Description**

In eight two hour classes we will study the origins, turning points, and legacy of this greatest of wars. The legacy will include the Cold War, and the technological heritage of the war years.

**Instructor:** Jerry Sandvick

Jerry Sandvick is History Professor Emeritus in the Minnesota Colleges and University system, a Department Chair and Dean of Liberal Arts. His specialty is 20th Century history, especially WWI and WWII. He spends winters in Vail, Arizona.
Art & Science – Ways of Knowing the Sonoran Desert

Subject Area: Arts/Culture

Tuesdays: Single Session 1:30 PM - 3:30 PM   Start: Tue 1/29/19
Location: Vail Del Web Ballroom

Course Description
The environmental challenges of the 21st century– notably loss of habitat and biodiversity- require creative and innovative collaborations, such as those experienced when artists and scientists work together. Learn how the arts, specifically Art-Based Perceptual Ecology (ABPE) research methods when practiced in collaboration with Western science methods are a way of knowing the ecology of place.

ABPE offers a language that codifies one’s embodied experience in the natural world, acts as a language translator and makes possible the information exchange necessary to communicate place-based stories – the environmental history of the Sonoran Desert.

In this lecture, audience members will learn concepts key to ABPE as Dr. Woolery shares stories of her field research conducting biodiversity inventories in the Sonoran Desert.

Why is this work important? By learning pluralistic ways of perceiving the landscape, we may come to know the place in which we live, and find connections with the local habitat. Achieving this multi-dimensional sense of place may contribute to a deeper ethic of caring about the environment, leading us to be good stewards of our ecological and cultural communities.

Instructor: Lee Ann Woolery

Dr. Lee Ann Woolery: With a focus on divergent ways of knowing, Dr. Woolery pioneered Art-Based Perceptual Ecology, a unique research methodology used in collaboration with Western science methods to study the environment. Woolery is an interdisciplinary scholar, researcher, a practicing artist, and educator of over 30 years. Dr. Woolery has taught art-based environmentally focused workshops at Saguaro National Park, AZ; Red Butte Gardens, UT; and IslandWood, Bainbridge Island, WA. Woolery has also taught “Art and the Environment” classes at University of Washington- IslandWood, University of North Carolina-Asheville and The School of the Art Institute of Chicago. Woolery holds a Doctorate in Environmental Studies from Antioch University New England and a graduate degree from The School of the Art Institute of Chicago. Her doctoral field study in Desert Ecology was conducted in the Sonoran Desert in Arizona and Mexico. Dr. Woolery's dissertation: Art-Based Perceptual Ecology as a way of knowing the language of place, and additional information on her research, workshops and field expeditions can be found at EcoArt Expeditions. [www.ecoartexpeditions.com](http://www.ecoartexpeditions.com)
Who’s Who in Law Enforcement

Subject Area: History/Current Events

Tuesdays: 2 Sessions 1:00 PM - 2:30 PM   Start: Tue 2/5/19   End: Tue 2/12/19
Location: Vail Del Web Sales Office

Course Description
During this 2-session course the participant will be introduced to the 18,500+ law enforcement agencies in the United States. The course will include a review of the different mission statements and responsibilities of the numerous local, state, tribal, state and federal law enforcement agencies.

The participants will learn the answer to such questions as what are the differences between the police and the sheriff or of the FBI-DEA-ATF and the other 184 federal law enforcement agencies?

Instructor: David J Grabelski

David has 45 years of strategic and tactical intelligence experience in the law enforcement and intelligence communities, 23 years of supervisory and/or management experience and 22 years of instructional experience at the local, federal, international, and university/college levels.

Dave recently retired as the Chairperson and Assistant Professor of the Mercyhurst University's Tom Ridge School of Intelligence Studies. He specializes in teaching law enforcement intelligence analysis at both the graduate and undergraduate levels. He had taught at Mercyhurst University since 2005. Currently teaching 10-week on-line courses for Mercyhurst University.

In his first career, he served 21 years with the Los Angeles Police Department including assignments as a Senior Homicide Detective and Gang Unit Supervisor. His second career was as a Gangs/Drugs/Violence analyst/instructor for the US Department of Justice / National Drug Intelligence Center for 12 years. This also included 8 years as an instructor of law enforcement intelligence.

He has developed and delivered courses for the US State Department, Diplomatic Security Office, and Anti-Terrorism Assistance Program. He taught these classes for law enforcement agencies in Sri Lanka, Mauritius, the Philippines, Malaysia and in Ghana Africa. Additionally, he developed and taught courses for the HIDTAs, FBI National Academy, the National White Collar Crime Center plus numerous government or business agencies.

Evolution of Law Enforcement

Subject Area: History/Current Events

Tuesdays: 3 Sessions 1:00 PM - 2:30 PM   Start: Tue 2/19/19   End: Tue 3/5/19
Location: Vail Del Web Sales Office

Course Description
During this 3-session course the participants will be introduced to the history and the evolution of U.S. policing based upon changing social events. The course begins with the night watches of the 1700’s, to the 2001 9/11 WTC attacks, and the effect of threat of terrorism to today’s law enforcement community mission.
Within the course the participants will exam significant social eras’ through the prism of law enforcement. Included may be the role of the Pinkertons’ pursuit of bank/train robbers; the anti-immigration Anarchists Palmer Raids of 1919 and followed by 1920’s enforcement of the 18th Amendment/Volstead Act. The course will continue with a review of 1950’s of the Red Scare; the civil unrest of the 1960-70’s and the US Supreme Court reforms. The course will conclude by reviewing the gang and narcotics violence in the 1980-90’s and a discussion of the 9/11 WTC attacks.

Instructor: David J Grabelski

Dave has 45 years of tactical and strategic intelligence experience in the law enforcement and intelligence communities at the local, federal, international, and university/college levels.

In his first career, he served 21 years with the Los Angeles Police Department including assignments as a Senior Homicide Detective and Gang Unit Supervisor. His second career was as a Gangs/Drugs/Violence analyst/Instructor for the US Department of Justice / National Drug Intelligence Center. Dave recently retired as the Chairperson and Assistant Professor of the Mercyhurst University’s Tom Ridge School of Intelligence Studies in Erie, PA.

He has developed and delivered courses for the US State Department, Diplomatic Security Office, and Anti-Terrorism Assistance Program. He taught these classes for law enforcement agencies in numerous foreign countries. Additionally, he developed and taught courses for the FBI National Academy, FLETC, Drugs/Violence Task Forces, the National White-Collar Crime Center plus numerous other government or business agencies.

He holds advanced degrees from Pennsylvania State University and Pepperdine University. Dave and his wife Kitty currently reside in Vail, AZ.

**Coors Pottery Factory Tour**

**Subject Area:** Crafts/Cooking

**Tuesdays: Single Session** 10:00 AM - 12:00 PM  
**Start:** Tue 3/12/19

**Location:** HF Coors Pottery Company

Additional cost: $10 for tour fee

**Course Description**

Participants will tour the HF Coors Pottery Factory, the manufacturer of high quality dinnerware since 1925. A $10 fee will be charged for the tour; participants will receive a 10% discount in the gift shop on the day of the tour. Please wear closed-toed shoes for the tour. For more information check their website: www.hfcoors.com.

Instructor: Linda R Heidle

Linda retired and moved to Vail in 2011. Her career was in financial management for small corporations and non-profits.
Creative Culinary

**Subject Area:** Crafts/Cooking

**Tuesdays:** 3 Sessions 2:00 PM - 3:30 PM   **Start:** Tue 3/12/19  **End:** Tue 3/26/19

**Location:** Vail Del Web Kitchen

**Course Description**

Tucson McGraw's Executive Chef Justin Sewart returns to regale and tantalize participants with his fun-filled philosophy toward making cooking a joyous undertaking. Justin will present the first two sessions and a mystery chef will conclude the series. The three sessions will be full of good information, plenty of laughter, and tasty goodness.

Instructor: Gene Bryan

A native of Wyoming, Gene Bryan aspired to be “the world’s greatest sportswriter,” but found out he likes to eat! He spent nearly two decades in tourism and event marketing, including serving as director of the Wyoming Travel Commission, executive director of the Cheyenne Frontier Days Committee and General Manager-Promotions for the National Finals Rodeo in Las Vegas. A self-described “history junkie,” he is fascinated with everything associated with the Lewis & Clark Expedition.

Co-leader: Justin Stewart

Justin Stewart is the executive chef at Tucson McGraw's Cantina and Steakhouse. Justin and his culinary team, under the watchful eye of "Beaker" the resident roadrunner mascot, are adding exciting new features to the iconic Tucson steakhouse menu, including new daily features, chowders and soups, sandwiches and homemade pies. He has been leading the culinary class since the spring of 2015 and has shared secrets of preparing mouth-watering bisques, soups and chowders and creating scintillating sauces by starting with the basics and adding personal touches that turn "basic" into "beyond good."

Wednesdays

Characters of the Southwest

**Subject Area:** History/Current Events

**Wednesdays:** 4 Sessions 9:30 AM - 10:30 AM   **Start:** Wed 1/30/19  **End:** Wed 2/20/19

**Location:** Vail Del Web Ballroom

**Course Description**

A continuation of a popular series that explores the men and women who have contributed to Arizona and the Southwest's rich history. This semester topics will include:

A follow-up to the AZ Lawmen not Named Earp from last semester. This class will review the exploits and achievements of the only 3 commanding officers of the Arizona Rangers; Captains Burton Mossman, Thomas Rynning and Harry Wheeler.
This class describes the exploits of The Apache Chiefs Cochise and Geronimo.

This session will present the biography of the Visionary who helped launch Arizona's lucrative tourism industry, and

A "mystery" character or site from the past.

Instructor: Gene Bryan

Gene Bryan has been involved with the Southeast Tucson Campus of OLLI-UA since its inception as a study group leader, curriculum committee member and chair and council member.

**OLLI Presents**

**Subject Area:** History/Current Events

**Wednesdays:** 6 Sessions 11:00 AM - 12:00 PM  **Start:** Wed 1/30/19  **End:** Wed 3/6/19  
**Location:** Vail Del Web Ballroom

**Course Description**

This popular "one off" series of discussions continues with presentations on art, religious philosophy, law enforcement and other current event topics.

Instructor: Gene Bryan

A native of Wyoming, Gene Bryan aspired to be “the world's greatest sportswriter,” but found out he likes to eat! He spent nearly two decades in tourism and event marketing, including serving as director of the Wyoming Travel Commission, executive director of the Cheyenne Frontier Days Committee and General Manager-Promotions for the National Finals Rodeo in Las Vegas. A self-described “history junkie,” he is fascinated with everything associated with the Lewis & Clark Expedition.

**OLLI Goes to the Theater**

**Subject Area:** Arts/Culture

**Wednesdays:** Single Session 2:00 PM - 5:00 PM  **Start:** Wed 2/6/19

**Location:** Arizona Theater Company

Additional cost: $40 ticket per person and includes a Post Performance Discussion

**Course Description**

Participants will attend the performance of "Two Trains Running" at the Arizona Theater Company in Tucson on Wednesday, February 6. The theater is located at the Temple of Music and Art at 330 South Scott Avenue. Participants will meet in the courtyard sometime between 1:00 p.m. and 2:00 p.m. if we can schedule a behind-the-scenes tour. Otherwise, participants will meet at 1:45 p.m. in the courtyard. The performance begins at 2:00 p.m. and will last approximately two hours and will be followed by a post-performance discussion with the actors. Parking may cost $5.00.

"Two Trains Running" is described as the crossroads of a revolution. There is a new president in the White House. Racial tensions are on the rise. But no, it's not 2018. It's 1969 - and the Civil Rights Movement is sending tremors through Pittsburgh's Hill District. "Two Trains Running" explores a time of extraordinary change and the
ordinary people who get left behind. "Mr. Wilson's most adventurous and honest attempt to reveal the intimate heart of history." - The New York Times

Instructor: Jerry Howell, Ph.D.

Jerry and Patricia Howell are retired educators and have been serving as docents at the Arizona Theater Company in Tucson for the past four years.

Co-leader: Patricia Howell, Ed.D.

**Route 66: The Mother Road**

**Subject Area:** Travel/Entertainment

**Wednesdays:** 2 Sessions 9:30 AM - 10:30 AM  **Start:** Wed 2/27/19  **End:** Wed 3/6/19

**Location:** Vail Del Web Ballroom

**Course Description**

Travel the entire road that is know as the Mother Road, Route 66. We will take you on a historical tour of Route 66 and a recent trip on Route 66 taking you from Chicago to Santa Monica.

Instructor: Ian Steel


Co-leader: Bonnie Steel

Worked as a psych nurse then co-owned & operated a small business for 15 years. Enjoy quilting, traveling, & reading.

**Mosaic Art**

**Subject Area:** Crafts/Cooking

**Wednesdays:** 2 Sessions 1:00 PM - 3:30 PM  **Start:** Wed 3/6/19  **End:** Fri 3/15/19

**Location:** Civano Studio

Additional cost: $65 for metal frame, handmade tiles, group, adhesive

**Course Description**

Create a 12" x 12" colorful mosaic using hand-made tiles, glass, and found objects. The mosaic can be personalized with words made especially for you (instructor will contact you prior to class). All supplies are provided. It will be framed and ready to hang indoors or outdoors.

Special note: this is a two part class. Class #1: 2.5 hours. Class #2 1.5 hours

Instructor: Sheila McGinnis

Sheila McGinnis is a graduate of the American Academy of Art and Saint Xavier University, both in Chicago. She is a practicing artist and illustrator specializing in watercolor and mosaics. Sheila is the owner of SheCreates Studio - a place where beginners and experienced artists enjoy creating.

Last Updated: 1/17/2019 3:49 PM
Co-leader: Suzanne Stewart

**Sweetwater Bird Watching**

**Subject Area:** Science/Math

**Wednesdays: Single Session** 8:00 AM - 9:30 PM  **Start:** Wed 3/13/19

**Location:** Sweetwater Wetlands Park

Additional cost: Free yet donations are accepted

**Course Description**

Come join an Audubon guide on a bird watch in the Sweetwater Wetlands Park (just west of I-10 and Prince). We will meet there at 8 am and observe and identify hopefully many species of birds, especially water fowl. This can be an hour or longer adventure depending upon interest.

Instructor: Gail Daly

Gail Daly is a retired Special Education Teacher from the Sunnyside School District in Tucson. A longtime U of A graduate, she enjoys the opportunity to keep learning and being active in this beautiful valley.

**Women of the Old Pueblo**

**Subject Area:** Arizona History/Culture

**Wednesdays:** 3 Sessions 1:30 PM - 2:30 PM  **Start:** Wed 3/13/19  **End:** Wed 3/27/19

**Location:** Vail Del Web Ballroom

**Course Description**

March is Women's History Month. This is when we celebrate the women who have gone before — those who stood up, worked hard, and made history. While the stories of these women are often unknown and their faces may not be recognized, each woman had an major impact on the Tucson that we know today. Each class session will highlight four outstanding women including:

The founder of the Temple Music of Art; a woman who opened the oldest restaurant in Tucson; the photographer of the Tucson Rodeo for over 40 years; the U of A Professor who was arrested for murder yet has a building named in her honor; and other women who contributed to the history of the Tucson area.

Instructor: Patricia Howell, Ed.D.

Patricia Howell has 40 years of teaching and education administration experience at the high school and college level. She received her B.S. and M.S. from Chadron State College in Nebraska and Ed.D. from Portland State University in Oregon. She has served as a high school assistant principal and principal, assistant superintendent of curriculum and instruction, and superintendent of schools.
**The UA Mirror Lab**

**Subject Area:** Science/Math

**Wednesdays: Single Session 10:00 AM - 12:00 PM   Start: Wed 3/20/19**

**Location:** UA Mirror Lab  
Additional cost: $10

**Course Description**
The University of Arizona Steward Observatory Mirror Lab is in the only place in the world where monolithic telescope mirrors are manufactured. The Lab is currently building the largest mirror ever built for a Giant Magellan Telescope and we will have the opportunity to view one of the manufacturing stages before it is sent off to its home in the Andes Mountains in Chile. Once you see it you will ask yourselves: "How will they ever transport it without breaking it?"

**Instructor:** Bill Smith

Indiana native graduated from Purdue University with a BS in Mechanical Engineering. Also a MBA from Xavier University. Worked for large printing companies in the West and the Midwest where I was member of the management team. We have lived in Tucson area since 2006 Was active as a director and an officer in our HOA board for several years. A member of the Vail Chorale since its inception.

**Creative Crafts – Canvas Painting**

**Subject Area:** Crafts/Cooking

**Wednesdays: Single Session 4:00 PM - 6:00 PM   Start: Wed 3/27/19**

**Location:** Craft Revolt  
Additional cost: $26.25 for paint supplies

**Course Description**
Time for chillin’, socializing, and putting forth your creative flair as you follow along step by step to create your own canvas masterpiece. Additional fee of $26.25 covers all paint supplies. Class is limited to 15.

**Instructor:** Tessa McDermott

Retired in Arizona after serving 30 years as an education administrator for a large school district in southeast Pennsylvania. Graduated from Cal Poly, Pomona with a BS in Business. Am married and have 3 sons and 5 granddaughters. I enjoy travelling, gardening, cooking and spending time with my grandchildren. Have been a member of OLLI since 2014.

**Co-leader:** Libby Hays
Bats & Caverns

**Subject Area:** Science/Math

**Wednesdays: Single Session** 10:00 AM - 1:00 PM  **Start:** Wed 4/3/19

**Location:** Kartchner Cavern State Park

Additional cost: $25 for park admission

**Course Description**

The Kartchner Cavern State Park is among the finest kept "wet" caves in the world and is one of Arizona's true treasures. Since the caves were discovered in 1974, all the right steps have been taken to preserve the formations inside. The stalagmites and stalactites continue to grow inside the caves thus the term Wet Cave applies. Join fellow OLLI members as we enjoy a private tour into one of the two chambers available. Both are open only during the winter months.

Instructor: Bill Smith

Indiana native graduated prom Purdue University with a BS in Mechanical Engineering. Also a MBA from Xavier University. Worked for large printing companies in in the West and the Midwest where I was member of the management team. We have lived in Tucson area since 2006 Was active as a director and an officer in our HOA board for several years. A member of the Vail Chorale since its inception.

**Thursdays**

Guide to Birding

**Subject Area:** Science/Math

**Thursdays:** 6 Sessions 9:30 AM - 10:30 AM  **Start:** Tue 1/29/19  **End:** Thu 3/7/19

**Location:** Vail Del Web Sales Office

**Course Description**

These will be a series of lectures by the Great Courses (DVD) in conjunction with National Geographic. It is taught by James Currie, a lifelong birding enthusiast, who has hosted many TV programs, radio shows, lectures, a well as professional birding tours. The spring six week course will cover the first half of this program to include: origins, taxonomy, anatomy, distribution, habitat, optics, behavior, as well as sound, shape, size, color, plumage and migration. See separate classes for field studies that are also being offered.

Instructor: Gail Daly

Gail Daly is a retired Special Education Teacher from the Sunnyside School District in Tucson. A longtime U of A graduate, she enjoys the opportunity to keep learning and being active in this beautiful valley.
Regional Water Resource Topics

**Subject Area:** Science/Math

**Thursdays:** 5 Sessions 1:30 PM - 3:30 PM  **Start:** Thu 2/28/19  **End:** Thu 3/28/19

**Location:** Rincon Fire Station #1

**Course Description**

The course will consist of five lecture+discussion sessions on different regional water resource topics, each presented by an expert in the topic from the University of Arizona Water Resources Research Center. The sessions will cover water sources and uses, geology, ecology, and human interventions; water quality and water recycling, including the latest research on antibiotic resistance in water; groundwater governance and transboundary water conflict and cooperation, with a focus on the Arizona-Sonora border region; community-based problems-solving in water resources, what's happening in Arizona; and educating youth to think constructively about water--basic knowledge and effective actions. No outside work is required and no prior knowledge is needed. Supplementary materials may be supplied.

**Instructor:** Susanna Eden

Susanna Eden is Assistant Director at the Water Resources Research Center, University of Arizona. She holds a Ph.D. in Water Resources Administration from the University of Arizona and has been engaged with water resources research and outreach for more than 25 years. Her research centers on policy and decision making in water management, stakeholder engagement, and the use of scientific information.

TEP Home Energizer Workshop

**Subject Area:** Science/Math

**Thursdays:** Single Session 1:30 PM - 3:00 PM  **Start:** Thu 3/7/19

**Location:** Vail Del Web Ballroom

**Course Description**

Attend a TEP Home Energizer Workshop! Learn free and low-cost energy efficiency measures you can implement at home to save energy and money. All workshop participants will receive a free Energy Efficiency Kit worth more than $40 that includes LED light bulbs, a low-flow shower head, an LED nightlight and more. The workshop is offered for free, courtesy of Tucson Electric Power.

**Instructor:** John Eisele

John Eisele is a 37-year resident of Tucson and is passionate about sustainability and environmental issues, particularly as it relates to “green” buildings and homes. After earning a BS Engineering degree from the University of Michigan, John has had a wide-ranging career, including 22+ yrs with IBM, owning several businesses and marketing a variety of environmental products over the years. John is an enthusiastic member of the Tucson environmental community and is has been presenting the Home Energy Workshop to a variety of audiences for the last few years. He holds the vision of promoting energy efficiency as a means to lower our energy footprint and assist in mitigating the effects of climate change.
Co-leader: Adam Kingery

Adam Kingery was a classroom teacher in Arizona for 13 years before joining the Environmental Education Exchange as an outreach presenter in 2016. Adam is a Masters Degree candidate in Educational Leadership and has a degree in Political Science from UA. He manages the logistics and team of energy presenters for the Bright Students middle school program and the Home Energizer Workshop for both Tucson Electric Power and Unisource Energy Services.

Writing Your Memoir

Subject Area: Literature/Writing/Language

Thursdays: 4 Sessions 9:00 AM - 10:30 AM  Start: Thu 3/14/19  End: Thu 4/4/19
Location: Vail Del Web Sales Office

Course Description
This class is designed for both beginning and more experienced writers. The study group will be a workshop format that will experiment with a variety of writing techniques in an encouraging and supporting environment. Each class will include a writing activity and the opportunity to share drafts. At the end of four weeks, participants will have a grasp of memoir’s tools and be on their way to having a story emerging onto the page.

Instructor: Jane Newton

Jane Newton taught high school English for over twenty years. She holds both a B.A. and M.A. in English. She has been involved in a number of local writing groups.

Fridays

Wings Over Willcox Birding Tour

Subject Area: Science/Math

Fridays: Single Session 9:00 AM - 12:00 PM  Start: Fri 2/1/19
Location: Wilcox Visitor Center
Additional cost: Free yet donations are accepted

Course Description
Our guide Mr. Alan Baker or Pam McNabb, will meet us at the Visitor Center in Wilcox at 8am on Friday February 1st. This will require leaving Vail by 6:45 and will take a good part of the morning there, and the hour plus drive back. The itinerary will include stops at Cochise Lake, Kansas Settlement, and the Whitewater Draw.

Instructor: Gail Daly

Gail Daly is a retired Special Education Teacher from the Sunnyside School District in Tucson. A longtime U of A graduate, she enjoys the opportunity to keep learning and being active in this beautiful valley.

Co-leaders: Alan Baker/Pam McNabb
Creative Crafts – Dirty Pour

**Subject Area:** Crafts/Cooking

**Fridays: Single Session** 1:00 PM - 3:00 PM  **Start:** Fri 2/8/19

**Location:** Craft Revolt

Additional cost: $30 for materials

**Course Description**
Play with paint and make beautiful art! For those of you who joined us last semester, I’m sure you will agree we had a BLAST creating our one of a kind abstract art. This year we will take this art concept and make beverage coasters. This is a totally stress free painting class as the paint does all the work! Class is limited to 15. Additional fee of $30 covers all materials.

Instructor: Tessa McDermott

Retired in Arizona after serving 30 years as an education administrator for a large school district in southeast Pennsylvania. Graduated from Cal Poly, Pomona with a BS in Business. Am married and have 3 sons and 5 granddaughters. I enjoy travelling, gardening, cooking and spending time with my grandchildren. Have been a member of OLLI since 2014.

Co-leader: Libby Hayes

Arizona Sonora Desert Museum

**Subject Area:** Science/Math

**Fridays: Single Session** 10:00 AM - 1:00 PM  **Start:** Fri 3/1/19

**Location:** Arizona Sonora Desert Museum

Additional cost: $25 for park admission

**Course Description**
This field trip will provide OLLI members with a private docent who was once aserved as a dosent at the Arizona Sonoran Desert Museum for several years. We will learn some of the little known secrets of the Museum and get to see some of the behind the scenes activities that few visitors get to experience.

Instructor: Bill Smith

Indiana native graduated prom Purdue University with a BS in Mechanical Engineering. Also a MBA from Xavier University. Worked for large printing companies in in the West and the Midwest where I was member of the management team. We have lived in Tucson area since 2006 Was active as a director and an officer in our HOA board for several years. A member of the Vail Chorale since its inception.
Behind the Scenes at Amerind Museum

**Subject Area:** Arts/Culture

**Fridays: Single Session** 10:00 AM - 3:00 PM   **Start:** Fri 3/8/19

**Location:** Amerind Museum & Art Gallery

Additional cost: $35 for tour fee and lunch

Course Description

Take a guided tour of the Amerind Museum and Art Gallery in Dragoon, Arizona. Includes lunch prepared by the chef at Amerind. Enjoy native artifacts and the story of the Amerind’s beginnings. If you have special dietary needs, please indicate when registering. Fee will be collected when you register for class.

Instructor: Gary Heidle


Can We Drink the Water?

**Subject Area:** Science/Math

**Fridays: Single Session** 10:00 AM - 12:00 PM   **Start:** Fri 3/15/19

**Location:** Tucson Water Treatment Plant

Course Description

Join your OLLI Study Group Leader to tour the Tucson Water Treatment Plant and discover how our valued water supply is treated for re-use. This tour will encourage you to extend your personal conservation practices for our vanishing water supply.

Instructor: Bill Smith

Indiana native graduated prom Purdue University with a BS in Mechanical Engineering. Also a MBA from Xavier University. Worked for large printing companies in in the West and the Midwest where I was member of the management team. We have lived in Tucson area since 2006 Was active as a director and an officer in our HOA board for several years. A member of the Vail Chorale since its inception.

Creative Crafts – Giant Paper Flowers

**Subject Area:** Crafts/Cooking

**Fridays: Single Session** 1:00 PM - 3:00 PM   **Start:** Fri 3/22/19

**Location:** Craft Revolt

Additional cost: $26.25 for materials

Course Description

Ready for spring? Join your fellow OLLI crafters for a fun flower making workshop. You will be guided step by step. Your creations will be sure to adorn any wall or door in your home. What a perfect way to welcome spring. Additional fee of $26.25 covers all materials. Class size limited to 15.
Instructor: Tessa McDermott

Retired in Arizona after serving 30 years as an education administrator for a large school district in southeast Pennsylvania. Graduated from Cal Poly, Pomona with a BS in Business. Am married and have 3 sons and 5 granddaughters. I enjoy travelling, gardening, cooking and spending time with my grandchildren. Have been a member of OLLI since 2014.

Co-leader: Libby Hays

**Arizona State Museum**

**Subject Area:** Arts/Culture

**Fridays: Single Session** 11:00 AM - 1:00 PM  **Start:** Fri 3/29/19

**Location:** Arizona State Museum  
Additional cost: $6 admission includes a docent-led tour. Parking will be extra.

**Course Description**

The Arizona State Museum is located on the University of Arizona campus and is the oldest and largest anthropological research museum in the Southwest. Established in 1893, its collections and resources are dedicated to teaching and studying this period in human history in the region. Special exhibits include "One World, Many Voices," which is a Grammy Award-winning traveling exhibit featuring photographs of recording and performing artists since 1951. In addition, three exhibits focus on Hopi kachina dolls, Hopi farming, and life along the Little Colorado River in the 1300s.

Instructor: Jerry Howell, Ph.D.

Jerry and Patricia Howell are both retired educators with 40+ years experience in education. They will serve as hosts for a field trip to the Arizona State Museum.

Co-leader: Patricia Howell, Ed.D.