

THE
Nueva
SCHOOL

INTERSESSION 2019 • JANUARY 3 TO 9

UPPER SCHOOL CATALOG



CLICK A **BLUE**
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

WEEK ONE Morning Seminars

ART Kala Arts: Blockprinting and Beeswax Collage on Canvas
ART/ PHOTOGRAPHY Professional Photography: Fashion and
Portraiture Photography
DESIGN/BUSINESS Fashion Prototyping
FITNESS/SPORTS Fencing 101
LANGUAGE Foreign Language: Introduction To Russian
LAW/SOCIAL STUDIES American Criminal Law: With Case Studies
and Visuals
LIFESKILLS An Introduction to Full Force Self Defense
MUSIC Beginning Guitar
MEDICINE So You Want To Be A Doctor
PUBLIC SPEAKING Effective Leadership 1 + 2
SCIENCE/COOKING Science of Food
SCIENCE Neuroscience of Humor
THEATER Acting Workshop: Audition Techniques
WELLNESS Making Organic Skincare Products

WEEK ONE Afternoon Seminars

ART/COOKING Cake Decorating
ART/TECHNOLOGY Digital Animation
ART/FILM Movie Makeup: ZOMBIES! ZOMBIES! ZOMBIES!
ART/FILMMAKING Documentary Filmmaking: The Art of Interviewing
COMMUNICATIONS Public Speaking: Persuasive Presentations
DESIGN/BUSINESS Fashion Design
FITNESS/WELLNESS Rock Climbing
MATH Math Like Einstein
MUSIC Intermediate Guitar

CLICK A **BLUE**
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

[WEEK ONE Afternoon Seminars Continued](#)

SCIENCE Let's Build A Brain: A Crash Course In Developmental Nuero Biology

SPORTS/BUSINESS Sports Management

TECH/DESIGN Kala Arts: Introduction to Photoshop

WELLNESS Introduction to Meditation

WRITING/PERFORMING The Art of Storytelling: From Homer to Story Slams (Writing and Performing)

[WEEK ONE Intensives](#)

ART Woodworking: Folding Wooden Stool

ART Glass Blowing Retreat at Bay Area Glass Institute (BAGI)

ART Kala Arts: Introduction to Dry-Point Intaglio, Collage, and Chine-Colle

ART Kala Arts: Printmaking Intensive: Paper Plate Lithography and Insta Book

ART/SCULPTURE Industrial Arts: Clay Sculpting

BIOLOGY/ECOLOGY Take A Walk On The Wild Side: An Ecological Sampler

COMPUTER SCIENCE Python for Social Good

ENGINEERING/INDUSTRIAL ART Industrial Arts: MIG Welding

ENGINEERING/INDUSTRIAL ART Industrial Arts: TIG Welding

FILM/WRITING Screenwriting

MUSIC Making and Producing Music

THEATER/IMPROV Improv

[WEEK ONE Activities](#)

[THURSDAY](#)

ART/FILM Movie Makeup: Burns, Bruises, Scars! Special Effects

BUSINESS/ENTREPRENEURSHIP Start-Up of the Day: Tally

CLICK A **BLUE**
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

WEEK ONE Activities CONTINUED

THURSDAY

BUSINESS/FILM The Business of Filmmaking: Making Films and Paying Your Bills

BUSINESS/LIFESKILLS Negotiation Mastery: Influence and the Psychology of Persuasion

CRITICAL THINKING Chess

FITNESS/SPORTS Fencing 101

FITNESS/WELLNESS Rock Climbing

GARDENING Succulents: Terrarium Workshop

LIFESKILLS Auto Maintenance 101: Know Your Car Bumper to Bumper

LIFESKILLS An Introduction to Self Defense

MARTIAL ARTS/FITNESS Boxing

MEDICINE Medical Exploration: Suturing

PERFORMANCE Accidents, Aliens, Flying Moose, and Ugly Music: A Story Concert

SCIENCE Epigenetics: A Story of DNA, Destiny, and Darwin

WILDLIFE/ENVIRONMENT Conservation Ambassadors: Under the Canopy

FRIDAY

ARCHITECTURE/URBAN PLANNING Urban Planning: A Study of Bay Meadows (A Walking Tour)

ART/FILM Movie Makeup: Movie Character Creation

BUSINESS Corporate Strategy: Harvard Business School Case Study, LeBron James Case Study

BUSINESS/ENTREPRENEURSHIP Start-Up Of The Day: Siolta Therapeutics

BUSINESS/LIFESKILLS Negotiation Mastery: Key Principles for Improving Collaboration, Relationships, and Results

CRITICAL THINKING Chess

CLICK A [BLUE](#)
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

[WEEK ONE Activities CONTINUED](#)

[FRIDAY](#)

FITNESS/SPORTS Fencing 101

FITNESS/WEELLNESS Rock Climbing

GARDENING Succulents: Aerium Workshop (Airplant Terrariums)

LAW/SOCIAL STUDIES A Day in the Life of a DA: Jury Selection and an Opening Statement in a Murder Case

LIFESKILLS Auto Maintenance 101: Know Your Car Bumper to Bumper

LIFESKILLS An Introduction to Self Defense

MARTIAL ARTS/FITNESS Kickboxing

SCIENCE/COOKING Science of Food

SCIENCE Melding Brains and Machines: The Future of Cognitive Science

WILDLIFE/ENVIRONMENT Conservation Ambassadors: Desert Magic

[WEEK TWO Morning Seminars](#)

ARCHAEOLOGY Worlds Greatest Archeaology Sites: Pompei to Machu Pichu

ART The Art of Making Art: An Introduction to Making Video Process Art

ART/ENGINEERING Metal Working: Rings for your Fingers

ART/SCIENCE Making A Mammoth

BUSINESS So You Want to Be a VC

COMPUTER SCIENCE What is Mongo DB?

JOURNALISM Journalism: Reporting, Writing, and Publishing the News

LANGUAGE Introduction to Arabic Language and Music

LEADERSHIP/BUSINESS Enneagram: Understanding How Personality Types Impact Cognition, Emotions, and Behavior

CLICK A **BLUE**
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

WEEK TWO MORNING SEMINARS CONTINUED

LIFESKILLS/FINANCE Crash Course in Money Management:
Budgeting, Accounts, and Credit

MATH The Cloud is Mightier Than The Pencil: How the Pros Use Math
to Solve Real World Problems

PERFORMANCE/FITNESS Running Away to the Circus: Aerials and
Acrobatics

PHILOSOPHY/HISTORY Great Books: Big Ideas From Antiquity

SCIENCE/COOKING Science of Food

THEATER Dialects for Stage and Film

WEEK TWO Afternoon Seminars

ART Knitting 101

ART/ENGINEERING Metal Working: Jewelry Making Basics -- Sawing,
Filing, and Piercing

ART/SCIENCE Making A Mammoth

COMPUTER SCIENCE Open Source, the Command Line, and Git,
Oh My COOKING A Little Yumminess: Cooking Basics

FASHION/SUSTAINABILITY Upcycling: Making Your Own Handbags
or Backpacks with Recycled Materials

FILM/THEATER So You Think You Want To Be A Stuntman

HISTORY Minoans, Mycenaeans, and Etruscans: Cornerstones of
Greece and Rome

MATH/CRITICAL THINKING Learn to Play Bridge

MATH Math Like Einstein

MUSIC/TECHNOLOGY Electronic Music Production

PHOTOGRAPHY Macro Photography

POLITICS The Making of a Politician

WILDLIFE/ENVIRONMENT Conservation Ambassadors: Animal

Behavior WRITING Nonfiction Writing: The Art of Crafting True Stories

WRITING/PERFORMANCE/SOCIAL JUSTICE Power Poetry

CLICK A **BLUE**
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

WEEK TWO Intensives

ART Glass Blowing Retreat at Bay Area Glass Institute (BAGI)
ART/ INTERIOR DESIGN/BUSINESS Interior Design 101
ART Kala Arts: Introduction to Contemporary Guilding - Gold Leafing
ART Kala Arts: Mokuhanga Japanese Woodblock
ART Kala Arts: Screenprinted Mini Narratives
ART/SOCIAL JUSTICE Woodworking: Making Shelter Pods for Homeless
ART Textile Design
ENGINEERING Industrial Arts: Electromechanics
ENGINEERING Industrial Arts: Mother of Machines
FILM/TECHNOLOGY Film Making and Visual Effects
INDUSTRIAL ART Industrial Arts: Neon and Light
SCIENCE/POLITICS Climate On The Coastal Margin: The Science and Policy of California Climate Change
WRITING Travel Journalism

WEEK TWO Activities

MONDAY

ART Book Art
ART Kala Arts: Drawing
BUSINESS Corporate Strategy: Harvard Business School Case Study, Reawakening the Magic: Bob Iger and the Walt Disney Company
BUSINESS/HISTORY History of Innovation in the Silicon Valley
BUSINESS/ENTREPRENEURSHIP Start-Up Of The Day: Strava
CULTURE/ART Henna Art
CRITICAL THINKING Chess
DESIGN THINKING/ENGINEERING Designing Wonder: The Intersection of Magic and Engineering

CLICK A **BLUE**
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

[WEEK TWO Activities Continued](#)

MONDAY

GARDENING Succulents: Discover Succulents with Arakawa Ceramics
LIFESKILLS/OUTDOORS Wilderness Skills: Fire Making
MARTIAL ARTS/FITNESS Boxing
MEDICINE Medical Exploration: IVs
PERFORMANCE/FITNESS Running Away to the Circus: Aerials and Acrobatics
SCIENCE/COOKING Science of Food
WILDLIFE/ENVIRONMENT Conservation Ambassadors: Vanished

TUESDAY

ART Kala Arts: Drawing
ART Design Your Own Parisian Street Art Icon
BUSINESS/ENTREPRENEURSHIP Start-Up Of The Day: Mya
COOKING A Little Yumminess: Cooking and Culture - India, Tiffin
CRITICAL THINKING Chess
CULTURE/ART Bindi Art
FASHION/BUSINESS The Business of Fashion
FITNESS How to Run: Running for Non Runners
GARDENING Succulents: Vertical Gardening DIY
LIFESKILLS/OUTDOORS Wilderness Skills: Knife Carving
MARTIAL ARTS/FITNESS Muay Thai
PERFORMANCE/FITNESS Running Away to the Circus: Aerials and Acrobatics
PHILOSOPHY/HISTORY Roman Speaking And Its Contemporary Relevance
WILDLIFE/ENVIRONMENT Conservation Ambassadors: Wild America

CLICK A **BLUE**
HEADER TO JUMP
TO THAT SECTION
OF YOUR GUIDE

WEEK TWO Activities Continued

WEDNESDAY

ART Intellectual Thought Experiment: Epic Charades

ART Kala Arts: Art School to Art Career: The Legal and Business Basics
Every Artist Should Know

ART Kala Arts: Drawing

BUSINESS/ENTREPRENEURSHIP Start-Up Of The Day: Neurotrack

COOKING A Little Yumminess: Cooking and Culture - Indonesia, Rice
at the Center

CULTURE/ART Henna Candle

FITNESS How to Run: Running for Non Runners

GARDENING Succulents: Kokedama Workshop

INDUSTRIAL ART Blacksmithing

MARTIAL ARTS/FITNESS Kickboxing

MEDICINE Medical Exploration: Sports Medicine

PERFORMANCE/FITNESS Running Away to the Circus: Aerials and Acrobatics

PHILOSOPHY/HISTORY What Makes Books Dangerous?

PSYCHOLOGY Early Childhood Development

WILDLIFE/ENVIRONMENT Conservation Ambassadors: Amazing
Animal Adaptations

WRITING/PERFORMANCE/SOCIAL JUSTICE Rebel Poetry: Spoken Word
Performance

WEEK ONE
Morning Seminars

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

DAY 1: BLOCKPRINTING ON PAPER AND FABRIC

Learn how to carve your own design from slabs of rubber. Create a set of custom greeting cards and envelopes with dye or pigment inks. Then use fabric ink to print on a drawstring bag and a zip pouch. Paper imagery can be incorporated into a beeswax collage.

DAY 2: BEESWAX COLLAGE

Create beautiful art on on canvas, using melted beeswax, mulberry paper, tissue, and found images. Students have the option to bring photocopies of a drawing, photo, or quote. The instructor will also have plenty of supplies and paper ephemera to share.

All levels welcome!

Elaine G. Chu's work has been featured in Greencraft and Somerset Studio magazines and 1000 Artists' Books. She co-authored Wood Paper Scissors, a how-to crafts book. Elaine received a BFA in graphic design from University of the Arts and a BA in music from Yale University. View a selection of her art at EGChuHandcrafted.etsy.com and on Instagram: @egchu1.

Week 1
Thursday + Friday

January 3, 4
8:45 am to 10:45 am

NOTE:
Providing your own camera is strongly encouraged (phones not included), however, if you do not own a camera Nueva will provide a loaner camera.

Getting Started with Natural Light Portraiture (January 3):
Natural light can yield flattering and beautiful portraits, but it can also be difficult to work with. In this hands-on workshop, Laura Tillinghast will share her techniques for creating gorgeous natural light portraits using available sunlight. Laura will demonstrate how to work with harsh light and when to add dimension to "flat" lighting conditions. Bring your camera, as the focus of this class is hands-on instruction.

Introduction to Studio Portraiture (January 4):
From portraits and head shots to fashion and glamour, there are many looks that can be created with studio lighting. In this hands-on workshop, Laura Tillinghast will demonstrate a variety of studio photography looks using just one light and simple reflectors. Bring your camera as the focus of this class is hands-on instruction.

Based on the California coast, photographer Laura Tillinghast began taking photos in the 90s and never stopped. Her love of lighting and photography is contagious and she enjoys teaching the next generation of photography addicts. She shoots primarily commercial work; you never know what you will find in front of her lens. Whether it's a gorgeous model, a rock band, or a bowl of oatmeal, she shoots with the same goal in mind — make it beautiful.

**Design X, Bethani Semple
Design/Business**

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

A great course in designing, construction and problem solving, this one-of-a-kind program helps students learn and appreciate the challenges associated with converting a 2-D clothing concept to a fully functional 3-D form. Students will learn to create fully functional prototypes of fashion ideas on a smaller scale (~1/3 scale) using a combination of construction techniques popular in the high-fashion industry. The small scale encourages experimentation and risk-taking as students bring their design vision to fruition. For more information about our organization, and to view the gallery, please visit our website, www.designX.company.

Bethani, an educator by training and currently employed by the Los Altos School District, has been teaching DesignX programs for over 5 years. A parent of two teenagers herself, her favorite age group is, well — teenagers! Her passion for “making” started when she was in elementary school, sewing up a storm with her friends, making prom outfits for herself and for her friends by the time she was in high school. She has also helped make numerous costumes for school plays and enjoys quilting. Bethani has been empowering our older and more independent students at DesignX by helping them make their visions a reality. The projects are truly student-designed and made, and of her role she says “my favorite part is helping kids use their creativity to solve a design challenge.” Bethani is looking forward to working with Nueva students — enabling them to create prototypes of some real design ideas.

Week 1
Morning

January 3, 4
8:45 am to 12:00 pm

This session is for students with little or no previous fencing experience, it provides instruction to basic history, rules, and strategy of the sport, as well as, basic footwork, blade work, drills, and sparring. After completing this class, students will possess a solid foundation in the necessary fencing skills. Necessary fencing equipment is provided.

NOTE:

9:00 Arrival at
Stanford Cardinal
Fencing Club at
Stanford.

Depart at noon back
to BM.

All students are
required to wear
appropriate athletic
clothing. Nobody with
a history of fainting.

Any student assigned
to this seminar will not
be assigned to an
activity session on
these days as you
need the extra time
for transport. You will
be back in time for
lunch.

Since 1983 Cardinal fencing center (former Stanford fencing club) has been an athletic home for hundreds of recreational and competitive athletes of all ages. During its existence the center brought up an incredible number of fencers who have succeeded on local, national, and international levels. Many athletes who have started their fencing careers with us went on to successfully represent Stanford, as well as other prestigious NCAA institutions such as Princeton, Yale, and Duke.

ABC Languages, Julia Nazarova
Language

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

Within the two-day Russian seminar students will gain knowledge of greetings, numbers, colors, animals, and family members. The seminars will be taught using a communicative approach and include fun activities, such as games and role play. Students will be introduced to Russian culture and will have a great time speaking the language.

Julia Nazarova was born in Ekaterinburg in the Ural District of Russia, which lies exactly on the border between Europe and Asia. She came to the United States eleven years ago and for the past eight years has been teaching Russian with ABC Languages to children and adults.

Julia's classes are interactive and fun. Her main goal is to make the learning experience an exciting journey rather than an obligation. She prefers to use the target language as the primary language in the class, but can adjust to any learning styles and needs.

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

NOTE:
In many of the cases you will be shown there will be crime scene photos. You should be prepared for this.

No photo taking during sessions permitted - no exceptions.

Course materials will be provided for review in advance of session. All materials must be brought with you to each session.

An introduction to the work of the district attorney in criminal investigations and prosecutions.

Topics will include investigation and prosecution of criminal cases, the discretion exercised by the district attorney, jury trials, sentencing, appeals, and challenging the legality of an arrest, search, or interrogation. We will also look at other assorted legal issues including eyewitness identification, juvenile court, DNA, victim assistance programs, and the admissibility of evidence.

Patrick McKinley has prosecuted numerous murder, rape, theft, bribery, assault, robbery, and other serious felony charges, as well as countless misdemeanor cases. He has been involved in over 330 jury trials that went to verdict, including many murder cases that settled as well as 15 that went to trial.

He also participated in the longest criminal investigation and prosecution in the history of Santa Barbara County: the 7-year investigation (1987– 1993) and successful prosecution of three defendants in a murder for hire. Patrick joined the District Attorney's Office in Santa Barbara on June 1, 1970, as a deputy district attorney. He graduated from Duquesne University and Duquesne University School of Law.

Impact Bay Area
Lifeskills

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

Students will learn all the awareness, intuition, and verbal conflict-avoidance/deterrence skills, as well as the foundational front and rear attack and ground-fighting techniques. The second half includes additional front-, rear-, and ground-attack scenarios.

Impact Bay Area is a nonprofit organization that teaches effective boundary setting, personal safety, and physical self-defense skills. We have been teaching self-defense in schools for over 25 years. Impact classes build verbal and physical skills to set good boundaries, prevent possible violence, and fight back when necessary. Our classes boost confidence and empower students!

www.impactbayarea.org/private_class_info

Gryphon Guitar Music

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

NOTE:

You do not need to own your own guitar. We will sync up before the session to determine who needs a guitar rental. Do you own a guitar? Great. You can bring yours, but it's not required.

Students will learn the 8 fundamental chord shapes on the guitar, as well as basic strumming, scales, and rhythmic concepts. We will also cover how songs are created and analyzed through the lens of contemporary rock/pop music.

It all began in an enchanted land far, far away... well, not quite. Gryphon Stringed Instruments started in a garage about three blocks away from our current location. But it was a long time ago, way back in the fall of 1969. The initial focus was on building instruments, and from 1969 to 1973 Gryphon built about 40 steel-string guitars, a few F-style mandolins, and dozens of banjo necks. From the beginning, repair work just seemed to stream in, and by 1972 we were spending more time fixing old guitars than we were building new ones. Once we opened a storefront in 1973, the combination of retail and repair put a quick end to luthiery. Gryphon quickly became the San Francisco Bay Area's leading source of mandolins, banjos, and both nylon- and steel-string acoustic guitars. Acoustic guitars, mandolins, and banjos are still the mainstays at Gryphon, as they have been for over 45 years, though our inventory of steel guitars and ukuleles continues to grow as well. In recent years an important part of our growth has been in instruments by very small companies and individual makers, as we continue to keep one foot, or at least several toes, outside the mainstream music industry. Through all this growth, the constant has been our reputation for being able to provide lots of information about the stuff we carry, and for being able to repair and maintain what we sell. There are still no commissioned sales people at Gryphon, and even when it comes to accessories we emphasize what works, not just what sells.

**Esther Kim (23andMe) and Dr. Scott Hoffinger (Orthopedics)
Medicine**

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

Are you interested in medicine? Or do you enjoy solving complex problems? Join us for an interactive seminar on topics in medicine. We will explore cases in orthopedics (including hands-on opportunities) and personalized medicine/genomics.

During these two days we will learn about pathophysiology and apply it to solving complex cases. We will use medical imaging in the context of orthopedic cases, and we will work with tools and casting materials.

Finally, we will learn about how the application of genomics can increase specificity and effectiveness of both testing and treatment.

Esther Kim is with 23andMe, a privately held personal genomics and biotechnology company. The company is named for the 23 pairs of chromosomes in a normal human cell. Its saliva-based direct-to-consumer genetic testing business was named Invention of the Year by Time magazine in 2008.

Dr. Scott Hoffinger is an orthopedic surgeon currently practicing at Stanford University Hospital and is affiliated with multiple hospitals in the area. He received his medical degree from University of Michigan Medical School and has been in practice for more than 20 years.

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

What are the main characteristics of a good leader? How do you become an effective leader?

This session will review the key leadership skills, which are important ingredients for the effective leader. For instance, effective leaders will want to share their vision, to lead by example, to demonstrate integrity, and to communicate effectively.

The session will also include an introduction to powerful tools such as effective nonverbal communication, storytelling, and the delivery of an elevator pitch.

Jeff Cabili worked at the Stanford Graduate School of Business for ten years. Before that, he spent more than 25 years in senior management positions for global companies. As a total quality management (TQM) consultant, he has conducted seminars and workshops for more than 5,100 senior executives.

Jeff has been teaching effective nonverbal skills at Stanford Continuing Studies since 2006 and at the Stanford Pre-Collegiate Summer Institutes since 2015. He is also a mentor at several incubators, such as Plug and Play, Draper, StartX, and Cubo (Brazil). He delivers his lectures and workshops in five languages and frequently uses his formal training in professional acting (mime!).

He received an MBA from Wharton and an MS in chemical engineering from the National Polytechnic Institute of Grenoble, France.

Erika Schillinger and Monika Schoenhoff
Science/Cooking

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

NOTE:

This is a double morning seminar; if you choose this seminar you will be automatically enrolled in both weeks' seminars in addition to 2 days of activity sessions on Friday, Jan 4, and Monday, Jan 7. However, you will still select options in all time slots in case you are not able to get into this seminar.

Have you ever wondered why eggs solidify and turn white when you cook them, or why green beans turn even greener when you steam them? Why does chocolate taste so good? Explore the world of food science in this unique minicourse! Discover and learn about food chemistry, sensory science, and cooking through hands-on experiments, demonstrations, discussions with expert speakers, and exciting/tasty field trips!

This class meets each seminar morning session for both Week 1 and Week 2, plus it will extend into the Activity Session Friday, January 4, and Monday, January 7, so we can go on two offsite mini-adventures.

Monika Schoenhoff, PhD, has worked for a number of years in the pharmaceutical industry as a pharmacokinetics/pharmacodynamics scientist (Genentech and small start-ups). For the last ten-plus years she followed her passion for science by bringing it to the classroom. She is honored and excited to be teaching the "Science of Food" course for Nueva again. She believes combining equal parts of passion for science, cooking, baking, and education is the perfect recipe.

Erika Schillinger, MD, is a clinical associate professor of medicine at Stanford. She is the Predoctoral Director in Family Medicine and has helped develop Stanford's clinical skills and doctoring curriculum. Her focus is on bedside manner, professionalism, and patient-centered care. In her work as an educator, she strives for an integrative, collaborative, innovative approach. She is grateful to be given the opportunity to weave together three passions — science, teaching, and food — in the service of a school she is coming to love.

Kristin Muench
Science

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

The brain is such an exquisitely tuned symphony of electrical activity that we take many of its functions for granted. Our sense of humor might feel like a reflexive response, for example, but it actually emerges out of a complex network of neural systems. This two-day research review will cover the neuroscientific basis of laughter, amusement, and humorcraft. We will explore both clinical cases and cutting-edge research to generate theories about where humor lives in the brain. Students will emerge with a new context for familiar brain anatomy, as well as a greater appreciation for the challenge of experimental design. Join us as we spent two days methodically explaining jokes to death.

Kristin Muench is pursuing a PhD in neuroscience at Stanford University. Her work explores how genetic and environmental risk factors contribute to the development of autism. She received extensive exposure to Ms. Frizzle and Bill Nye at a critical age and has since developed a passion for science communication.

She spends her free time facilitating conversations about science both with and within the research community, including several exhibits at the California Academy of Sciences Nightlife events.

She has designed and led classes for students from grades two through twenty-two, and is delighted to make the acquaintance of students at Nueva. Kristin contributes and edits pieces for NeuWrite West, the Stanford neuroscience blog. She occasionally posts nerdsome delights under the Twitter handle @kristin_muench.

Albert Rubio
Theater

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

In Acting Workshop we will focus on audition techniques. Each student will prepare a 1½-minute monologue that they find in a play or from film and television (found and memorized before the seminar begins). We will examine presence, audition dress, the moment before, focus, warming up, and how to enter a room. Students will then have the opportunity to perform their monologues as if in an audition setting for feedback from the instructor. We will then examine how good audition techniques can be transferred to interviewing once out of school and on the job market.

Albert Rubio is an actor, director, and teaching artist, currently residing in San Francisco. Albert has taught Shakespeare, acting, voice, and dialects at A.C.T.'s renowned Young Conservatory and has designed and taught in weeklong summer intensives for Ronald Reagan High School's summer acting camp (San Antonio, TX). Regionally, Albert has performed at A.C.T. and Summer Rep Theatre Festival (SRT), and he was an Acting Apprentice for the Great River Shakespeare Festival (GRSF). Albert holds an MFA in acting from the American Conservatory Theater (A.C.T.), and he has his BFA in theatre performance from the University of Evansville in Evansville, IN.

Kit Gordon and Nancy Newsom-Pravetz
Wellness

Week 1
Morning

January 3, 4
8:45 am to 10:45 am

Why put synthetic and possibly harmful chemicals on your skin when nature provides all you need. This class is a hands-on learning experience for making organic skincare products from plant-based ingredients. Each student will make and take home a suite of products. We will make facial cleansing/polishing grains; a nutrient rich facial serum; a hydrating mist/toner and a soothing after-shower body oil. Each student will customize their products with a selection of ingredients to suit their skin type and preferred scent. This class is suitable for all genders and skin types.

Kit Gordon is a Chemical Engineer educated in the booming semiconductor industry. "Motivated to contribute more during my early career I earned a MS in Electrical Engineering and an MBA. As the first employee at QuickLogic, I had the opportunity to develop new technologies and was awarded several patents on amorphous silicon antifuse devices. Along the way I met and married Tony Alvarez and turned my attention to our home in Los Altos Hills. The birth of our daughter, Isabel, inspired me to start an organic skincare company to protect her against the dangerous realities of drugstore products. The beauty of the hills and bounty of wildlife guided me to learn about native plants, water conservation, and stewardship of our watershed. I'm honored to serve on the board of Grassroots Ecology and I volunteer with a variety of organizations to protect and restore our watersheds. When I'm not exploring a creek or a native landscape you'll find me practicing flamenco guitar or sitting in on a Stanford graduate course in hydrology."

Nancy is a founder and owner of Botanic Organic, a local, artisan skincare company. Her decision to create a natural and organic line of skin care products evolved from her interest in preparing locally grown, unprocessed organic foods for my family. Becoming more conscious about what we put into our bodies, leads us to also question what we put onto our bodies. Her initial reason to create formulas with organic and plant based ingredients was simply to do no harm both to my body and to the wider environment. However, as she began to notice improvements to her skin from using unrefined plant-based oils, plant extracts and plant distillates, she became convinced that these beautiful and natural gifts from nature could do a better job of caring for her skin than anything a large cosmetic company could synthesize in a laboratory. Botanic Organic is the result of a passion gone wild and it continues to be an exciting, fun and incredibly rewarding path to follow.

WEEK ONE
Afternoon Seminars

Mary Carroll
Art/Cooking

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

In this session you will decorate and take home a three-layer, buttercream frosted cake and make Swiss meringue buttercream from scratch, adding flavors and colors to dress up your cake.

You will learn how to make crystalized flowers and use other fun items for decoration.

You will conclude the seminar by learning how to creatively plate and serve a cake. (Yes, we get to eat it, too!)

Mary Carroll has over 30 years of baking and decorating experience. She mastered her skills taking classes at Bon Appetite, Sur la Table, and as head decorator at Prolific Oven for over 20 years.

Digital Media Academy, Austin Broder
Art/Technology

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

Join Austin in learning how to create 3-D art! We will look at how to create your own 3-D models, texture them, light them, and render.

We will also learn about how characters are created and take a look at how to puppeteer them. All of the topics will be covered in a way that will leave you feeling confident to create your own films.

Austin will also include a lot of valuable free assets — models, characters, and more — during this course!

NOTE:
3-D Course
Students Watch
First 2 to 4 Lessons
Before First Class:
YOU TUBE: <https://www.youtube.com/playlist?list=PLakjJMhpByVowm5crgOC5ffSFCoY97mpj>

Austin Broder is a 3-D art and animation instructor with nearly a decade of experience in education. He's had experience working at several animation studios and infuses his industry experience into his classes, helping students learn efficient and effective techniques and enabling them to create their own digital 3-D art and films.

Elizabeth Fox
Art/Film

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

Design, create, and apply your own zombie makeup. Learn from Film FX makeup artist Elizabeth Fox how to make scary and gore-heavy zombies. We'll be using the same products used in feature films and television. You will learn the tips and techniques used by professionals. Not for the squeamish — these are zombies like the pros make. We will be using non-latex prosthetics and creating complete looks with wardrobe and hair, so come prepared to get zombified! Up your halloween game, improve your short zombie films, and scare the pants off your friends!

Elizabeth Fox is a union makeup artist who has been working in the field since 2000, with over 20 feature films to her credit. While shooting a short film in New York City, Elizabeth discovered her love of special FX makeup and made the move to LA to learn all she could from some of the best FX artists. In Los Angeles, when not on set, Elizabeth was a molder at Evolution Effects and Steve Johnson's XFX lab. She won Best FX Makeup at the Chicago Horror Festival in 2006, the same year she collaborated with Danny DeVito on his series of short horror films titled Splatter Shorts. In 2007, Elizabeth settled back home in the Bay Area where she continues to work in film and TV along with commercial video and print. Elizabeth teaches workshops and classes in everything from Special FX to HD beauty. TV credits: National Geographic Television, multiple projects on TLC, and Netflix Originals. Commercial clients have included Cisco, Wells Fargo, Banana Republic, Adobe, Cliff Bar, Sprint, and many more. Celebrities have included Natasha Lyonne, Danny DeVito, Rhea Perlman, Jonah Hill, Anika Noni Rose, Peter Coyote, Carol Kane, Bruce Boxleitner, and Yao Ming.

www.makeupbyelizabethfox.com

Week 1
Afternoon

Learn how to conduct an interview to get the best possible results.

January 3, 4
1:15 pm to 3:15 pm

Brian Storm is founder and executive producer of MediaStorm.

MediaStorm publishes diverse narratives, offers advanced storytelling training and collaborates with a diverse group of clients.

MediaStorm's stories and interactive applications have received numerous honors, including 30 Webby nominations (6-time winner), 17 Emmy Award nominations (4-time winner), two duPont Awards, and an Edward R. Murrow Award.

Prior to launching MediaStorm in 2005, Storm spent two years in New York as vice president of News, Multimedia & Assignment Services for Corbis, a digital media agency founded and owned by Bill Gates. From 1995 to 2002 he was director of multimedia at MSNBC.com.

Storm received his master's degree in photojournalism in 1995 from the University of Missouri. He lives in Los Gatos and can be reached via brian@mediastorm.com.

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

A single idea can start a groundswell, can be the flash point for a movement, and can actually rewrite our future. If you communicate an idea in a way that resonates with the audience, change will happen. In today's culture, presentations have become the way people communicate their ideas. Those who master communicating effectively through presentations stand out from crowd, have their ideas more frequently adopted, and advance their careers faster than their peers.

The Duarte Methodology establishes a new approach to presentations, focusing on the three pillars of good communication — story, design, and delivery. In this training, you will learn to fully appreciate your role as a presenter. You'll learn how to empathize with your audience's point of view and create stories and visuals that persuade them to think differently. Finally, you'll learn to deliver effectively so you can build support for your idea.

Since 1988, Duarte has been honored to bring life to some of the world's greatest presentations for leaders and brands. Duarte's clients include almost half of the top 50 brands, notable experts, respected causes, and global consulting firms.

Design X, Durga Kalavagunta Design/Business

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

In this seminar style program designed specifically for Nueva, students will deep dive into a few of the top contemporary designers of today, analyzing their creations from the 2019 Ready-to-Wear collection, their settings and inspirations. They will then extend the collection on storyboards using a variety of materials like swatches, magazines, and other materials. Budding fashion designers/enthusiasts will not only leave the class with a storyboard for new collections designed by them, but also develop an appreciation for the decisions that lead up to runway creations, along with the socioeconomic and political factors that influence clothing. The seminar is designed to build a deeper understanding of the fashion industry and some of the skills essential to becoming a fashion designer. For more information about our organization, and to view the gallery please visit our website, www.designX.company.

A former leather designer for an international label, who is just as fascinated with the potential of a piece of fabric as she is with the human brain (not that they are anywhere equal), Durga spent countless hours searching for quality enrichment programs for her own kids who were starting grade school. That was 2008 — in the center of Silicon Valley. Durga decided to develop programs around “design and making,” and the idea came to fruition as DeziignKidz, which she and her partner formally launched in 2009. While teaching the first graders how to use a yard stick was admittedly challenging, it was the creativity of the young learners that blew her away. As a pioneer in the application of design thinking concepts to elementary and middle school programs, Durga has enjoyed watching teachers deliver the curriculum and successfully engage hundreds of students of various learning styles. The curriculum, now expanded by DesignX, offers an array of problem-solving opportunities in a variety of design fields, from fashion to toys and textiles, engaging students of all ages (including high schoolers) to get creative and think outside the box, serving as the perfect foundation for the next generation of innovators. In her free time, Durga has designed and project-managed costume teams for full-length ballets like NutCracker, Don Q, and Le Corsaire, and costuming little cast members in school plays like Wizard of Oz, Toy Story, and Snow White. Inspired by the 3,000+ students that have been through her programs, she is thrilled to engage with the budding designers at Nueva through a fun seminar in Fashion Design.

Michael Rogers
Fitness/Wellness

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

This seminar will give you a taste of the world of rock climbing. We will cover the basic skills, such as tying into your harness with a follow-through figure 8 knot, proper belay technique using an ATC, and complete safety checks on you and your partner. This is a great opportunity to have fun exploring a perspective-changing sport and challenge your body and mind!

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity. Please wear athletic attire.

Mike has been climbing since 2006 all over the world, from El Capitan and Half Dome in Yosemite to the Blue Mountains in Australia and limestone cliffs of Thailand. Spending hundreds of hours on rock in California and working for Touchstone Climbing, he climbs up to 5.12 on rope and V8 bouldering.

Mike has been a climbing and climbing fitness instructor for 7+ years with the likes of Alex Honnold and Hans Florine taking his classes to improve their already elite status. He regularly teaches rigging workshops while on tour as Technical Director for BANDALOOP, a vertical dance company based out of Oakland, California.

Gary Antonick
Math

Week 1
Afternoon

Want to go beyond the basics of math? Join us as we explore the shortcuts, visualizations, analogies, and hacks used by the world's top mathematicians.

January 3, 4
1:15 pm to 3:15 pm

Gary Antonick teaches at Stanford, at Google, and around the globe in China, India, Colombia, and Chile. He is also the writer of the New York Times column Numberplay, in which professional mathematicians solve problems alongside New York Times readers. Gary studied engineering at the University of Michigan and has an MBA from Harvard Business School. You can see some of his work at <https://www.nytimes.com/column/numberplay>

Gryphon Guitar
Music

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

Students should know the 8 fundamental chord shapes on the guitar as well as basic strumming, scales, and rhythmic concepts. We will cover how songs are created and analyzed through the lens of contemporary rock/pop music at an intermediate level.

NOTE:

You do not need to own your own guitar. We will sync up before the session to determine who needs a guitar rental. Do you own a guitar? Great. You can bring yours, but it's not required.

It all began in an enchanted land far, far away... well, not quite. Gryphon Stringed Instruments started in a garage about three blocks away from our current location. But it was a long time ago, way back in the fall of 1969. The initial focus was on building instruments, and from 1969 to 1973 Gryphon built about 40 steel-string guitars, a few F-style mandolins, and dozens of banjo necks. From the beginning repair work just seemed to stream in, and by 1972 we were spending more time fixing old guitars than we were building new ones. Once we opened a storefront in 1973, the combination of retail and repair put a quick end to luthiery. Gryphon quickly became the San Francisco Bay Area's leading source of mandolins, banjos, and both nylon- and steel-string acoustic guitars. Acoustic guitars, mandolins, and banjos are still the mainstays at Gryphon, as they have been for over 45 years, though our inventory of steel guitars and ukuleles continues to grow as well. In recent years an important part of our growth has been in instruments by very small companies and individual makers, as we continue to keep one foot, or at least several toes, outside the mainstream music industry. Through all this growth, the constant has been our reputation for being able to provide lots of information about the stuff we carry, and for being able to repair and maintain what we sell. There are still no commissioned sales people at Gryphon, and even when it comes to accessories we emphasize what works, not just what sells.

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

Have you ever wondered how a single fertilized egg cell turns into a functioning brain? By the time it is born, a baby has already begun one of nature's greatest feats: the construction of a fantastically complex central nervous system.

In this whirlwind tour of the developing brain, you will learn about the principles and processes that transform sperm and egg into an estimated 100 billion neurons making the trillions of precise connections that govern your interface with reality. A combination of interactive games and storytelling-based lectures will ignite your curiosity and inspire your appreciation for this breathtaking biology.

Kristin Muench is pursuing a PhD in neuroscience at Stanford University. Her work explores how genetic and environmental risk factors contribute to the development of autism. She received extensive exposure to Ms. Frizzle and Bill Nye at a critical age and has since developed a passion for science communication.

She spends her free time facilitating conversations about science both with and within the research community, including several exhibits at the California Academy of Sciences Nightlife events.

She has designed and led classes for students from grades two through twenty-two, and is delighted to make the acquaintance of students at Nueva. Kristin contributes and edits pieces for NeuWrite West, the Stanford neuroscience blog. She occasionally posts nerdsome delights under the Twitter handle @kristin_muench.

Gary Cavalli
Sports/Business

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

The popularity of college and professional sports in the United States has exploded in the last half century. Sports has become very big business. Attendance, revenues, and TV ratings have grown exponentially, to the point where the industry generates about \$70 billion a year.

As sports has expanded into a business and entertainment phenomenon, it has created exciting opportunities for men and women in numerous fields — administration, medicine, law, marketing, broadcasting, journalism, operations, coaching, scouting, training, and event promotion, to name a few.

Come hear from sports league and bowl co-founder Gary Cavalli about his career — stories from the field and the court, and the current state of sports in the US. You'll also participate in hands-on exercises dealing with complex business and social justice issues that sports managers confront every day.

Gary Cavalli, former sports information director and associate athletic director at Stanford University, was co-founder and CEO of the American Basketball League and co-founder and executive director of the Foster Farms Bowl.

*Gary earned his BA in communication at Stanford. He is the author of the book *Stanford Sports* and co-executive producer of an award-winning documentary on NFL football, *Disposable Heroes*. He also managed NCAA soccer and golf championships, produced basketball telecasts for Fox Sports Net, and promoted World Cup Soccer. He now teaches courses on sports and media at Stanford and writes a sports blog, *The Inside Track*.*

Gary lives in Danville with his wife, Christy; they have three grown children and four grandchildren.

**KALA Arts, Kija Lucas
Tech/Design**

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

One of Kala's most popular workshops! Learn how to navigate Photoshop's interface and become familiar with its wide array of tools and techniques. A necessity for anyone new to Photoshop!

Kija Lucas is an artist and educator based in the San Francisco Bay Area. She uses photography to explore ideas of home, heritage, and inheritance. She is interested in how ideas are passed down and how seemingly inconsequential moments create changes that last generations. Lucas received her BFA from the San Francisco Art Institute in 2006 and her MFA from Mills College in 2010. Her work has been exhibited throughout the Bay Area: at the Headlands Center for the Arts, the California Institute of Integral Studies, Altar Space, Intersection for the Arts, Luggage Store, Mission Cultural Center, Root Division, the Bedford Gallery, Pro Arts, the Asian Resource Center Gallery, as well as Venice Arts in Los Angeles, La Sala d'Ercole/Hercules Hall in Bologna, Italy, and Casa Escorsa in Guadalajara, Mexico. Lucas has been an artist in residence at Montalvo Center for the Arts, Grin City Collective, and the Wassaic Artist Residency. Lucas is currently the program manager for the Growlery in San Francisco. She has been a member of 3.9 Art Collective since 2018.

Jordan Singletary
Wellness

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

Research has shown that meditation and mindfulness training reduces stress, anxiety, and depression, improves concentration and focus, and helps students perform better on tests. Do you want to learn how to deal with stress and increase your capacity to be calmer, kinder, and happier? Of course you do!

Consider this your meditation boot camp. Through instruction, group discussions, and fun workshop activities, we'll learn basic (and maybe some advanced) meditation practices and how to integrate these practices into our everyday lives. Also, it will be fun!

Jordan Singletary is a dance and yoga instructor in the Bay Area. Originally from Phoenix, Arizona, she was on a professional dance team for 4 years and started a yoga practice to stay in shape. In March of 2017, she received her 200 hr yoga certification and decided she wanted to take her teachings to the Bay Area. She hopes to give students the tools they need to navigate through their stressful lives and improve overall happiness and quality of life.

Willy Claflin
Writing/Performance

Week 1
Afternoon

January 3, 4
1:15 pm to 3:15 pm

NOTE:
Willy's January 3
Activity session is a
prerequisite for
this seminar. If you
get into this
seminar, you will
automatically be
assigned to that
session as well.

Storytelling is the oldest of the performing arts. It's also the basis of all human communication. Whether you're doing a solo theater piece, running for office, or just trying to explain your ideas to someone, the ability to tell a good story is an essential skill. And storytelling at its best is great entertainment. These three workshop sessions will present a wide variety of narrative forms: tall tales, personal stories, comic anecdotes, historical stories, traditional ballads, myths and folks tales from around the world, satires, and parodies. We will explore different voices, alternate personae, puppets, improvisation, memorization, and monologue. We'll demystify creative writing — participants will be shown a foolproof way of making up original stories from imagination. So anyway, we were sitting around on Christmas morning, when this truck drives through the living room... Willy's January 3 Activity session is a prerequisite for this seminar. If you get into this seminar, you will automatically be assigned to that session as well.

Willy Claflin is a one-man festival. Spanning historical sagas, intergalactic yarns, Mother Moose Tales, and counterculture misadventures, he covers the full spectrum of spoken-word entertainment. A headliner and master of ceremonies at the National Storytelling Festival, Willy is a favorite at festivals throughout the U.S. He offers stories for families as well as adults, often weaving music into his performances. An accomplished guitar player and narrative ballad specialist, Willy will make you laugh out loud.

"Claflin has an ear for the incongruous and a blithe love of the absurd. This is an irreverent folkie who kicks the stuffing out of museum pieces."
— Boston Phoenix

<http://www.willyclaflin.com>

WEEK ONE

Intensives

Fred Sotcher
Art

Week 1
Thursday + Friday

January 3, 4
8:30 am departure
from Nueva BM

NOTE:

9:30 am arrival at
Fred's Workshop.
Depart at 2:15
pm. Students
bring lunch.
Students must
wear closed-toed
shoes, long hair
tied back, no long
necklaces,
scarves, or loose
sleeves. Waiver
required.

Come learn how to make your own folding wooden stool. It's just the thing when watching a parade, enjoying a jazz band, or just hanging out. It folds down to a slim size with its own handle. Best of all, you will make it yourself. This is one of those projects that you will keep forever — my first ones are over 40 years old and still in regular use. In two days we will lay out, cut, and shape our stools and have fun doing it. Don't miss this opportunity to join us in the program. Two experienced woodworkers will be at your side to guide you. Classes are to be held at my home woodworking shop.

Fred Sotcher is former president of a number of woodworking clubs in the Bay Area and authored a number of articles in Fine Woodworking magazine and others. Fred has been teaching woodworking for over 20 years at the John Montgomery School, the Girls Middle School, Creekside Academy, and Nueva Upper School, as well as private classes at his home shop. His joy in life is working with young people to help them develop their creative talents.

Week 1
Thursday + Friday

January 3, 4
8:30 am departure
from Nueva BM

NOTE:
9:30 am arrival at
studio.

Depart studio at
2:15 pm.

Students to bring
their lunch.

Immerse yourself in the magic of glass. This 3-day intensive is a totally hands-on experience that allows you to learn the basics of traditional free-form glass blowing. We'll touch on safety in the hot shop, learning which tool does what, some key glassblowing terms, and how to work molten glass into a cool piece of art or something functional like a cup. You'll work in teams to assist each other in creating your artwork while under the careful direction of masters. The goal for each student is to make perfect bubbles, paperweights, flowers, and a functional vessel, and to come away with the skills necessary to take glassblowing to the next level.

Treg Silkwood knew that he wanted to work with his hands. In 1996 he received his BFA from Alfred University, graduating as the top student of the Art and Design School. In 1995, he spent a semester studying at the Academy of Applied Arts in Prague. Treg spent the next five years working as a production glassblower, recreating early American glass at the Henry Ford Museum & Greenfield Village, where he deepened his knowledge and appreciation for the history and the craft of working with glass. After pursuing a year of graduate studies with Jack Wax at Illinois State University, Treg was honored to become one of the first gaffers for the Hot Glass Road Show of the Corning Museum of Glass.

Treg moved to the Bay Area in 2002 and, with Candace Martin, formed Silkwood Glass, a custom, handcrafted glass company whose innovative designs are largely inspired by the natural world. In 2008, Treg had his first solo show at the Steuben Flagship Store on Madison Avenue in New York City and was honored to be one of only two artists invited to take part in the "Steuben Selections Series," which showcases some of the world's foremost artists in glass. Treg's work has been exhibited internationally and showcased in many prestigious galleries. He has become widely recognized as a premier California marine glass artist.

Treg and Candace's work can be seen at www.SilkwoodGlass.com.

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

NOTE:
9:30 arrival at Kala
Art Institute.

Depart by 2:00
pm.

Students bring
lunch.

This workshop introduces the participants to dry-point intaglio technique, a nontoxic, direct form of creating lines on a plate free of acids or other mordants. A sharp needle is used to scratch the surface of the metal or plexi in order to create a design. After making the key plates, the students will learn how to apply collage and Chine-Colle to the original key plate by using an adhesive paste made of wheat starch. The use of paper layers can tremendously affect the definition and quality of a print. Thin paper, particularly Japanese gampi, has the benefit of picking up the most delicate lines, bringing a more vivid, velvety quality to the impressions. A unique design on a plate can communicate different messages and offer multiple visual expressions by being altered with collage and color. The participants are encouraged to bring cut-outs of magazines, newspapers, comics and other printed material on thin paper that they find inspiring to be incorporated into their original design.

Golbanou Moghaddas is an Iranian narrative artist based in San Francisco. She moved from Iran in 2008. She has an MA in communication design from Central Saint Martins College of Art and Design in London, UK, and an MFA in printmaking from San Francisco Art Institute. She is a winner of the Best of British Illustration 2011 and the illustrator of The Book of Barely Imagined Beings published by Granta Publication, UK. In 2012 she was awarded an MFA fellowship from San Francisco Art Institute, which brought her to the West Coast. In the Bay Area, she has worked with master printer Paul Mullooney. She is a recipient of the Murphy and Cadogan Contemporary Art Award in 2013, Manhattan Graphics Center Scholarship 2016, and Kala Art Institute Fellowship 2017–18. Her work was recently selected for the New Program Winter 2018 at International Print Center New York. She has exhibited at renowned venues including the Museum of London, Kensington Palace, and Banksie Gallery in the UK, as well as SOMarts Cultural Center, Skylight Gallery of San Francisco Public Library, Kala Art Institute, Richmond Art Center, San Francisco Center for the Books, Arc Gallery, and the Peninsula Museum of Art in the USA. Golbanou has taught printmaking at the SFAI public program and Central Saint Martins undergrad level in London. She's currently an affiliate artist at Headlands Center for the Arts.

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

During this two-day printmaking intensive, participants will create original drawings and learn the process of scanning, cropping, and collaging their images to create one-of-a-kind compositions that will be printed on a traditional printing press. The final pieces will then be folded into a simple eight-page book! Each participant will create an edition large enough to exchange books with classmates in the workshop.

NOTE:
9:30 arrival at Kala
Art Institute.

Depart by 2:00
pm.

Students bring
lunch.

Meghan Pohlod is a visual artist specializing in print media and print installation. She completed her BFA in printmaking from Metropolitan State University of Denver in the spring of 2015. Soon after, she relocated to Edmonton, Alberta, where she received an MFA in printmaking at the University of Alberta in 2017. Pohlod currently lives in San Francisco and is the artist residency manager at Kala Art Institute in Berkeley. Her interests and visual research include examining the body as interior and exterior space.

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

Try your hand at making sculptural and functional forms in clay. This introductory class covers traditional hand-building and surface treatment techniques while pushing the boundaries with unconventional methods.

You will leave with a solid foundation in working with clay and the ability to apply your new skill set to other 3-D work and materials.

NOTE:
9:30 arrival at The
Crucible.

Depart at 2:00
pm.

Bring your lunch.

Wear warm,
comfortable,
athletic clothing
and shoes.

The Crucible is a 501(c)(3) nonprofit arts education organization that fosters a collaboration of arts, industry, and community. Through training in the fine and industrial arts, the Crucible promotes creative expression, reuse of materials, and innovative design, while serving as an accessible arts venue for the general public in the Bay Area. Known for one-of-a-kind industrial arts education programs, the Crucible is also highly regarded for its innovative performances.

www.thecrucible.org

Diane West-Bourke
Biology/Ecology

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

NOTE:

Please bring:
lunch, water,
snack; warm
clothes, hat or
visor, rain coat,
hiking shoes
(waterproof shoes
or rubber boots
for tidepooling);
binoculars
optional but
handy. Session will
take place rain or
shine.
Curiosity and
enthusiasm are
essential!

We live in one of the most ecologically diverse areas in the world, but often notice only the hustle and bustle of the cities around us. Yet our neighboring wildlands are an amazingly rich living tapestry of redwood, oak, and evergreen forests, fragrant chaparral, open grasslands, marshes, wetlands, and seacoast. We are but one of many thousands of organisms that call this area "Home." Expand your usual horizons as we explore these wild "neighborhoods" on foot, and discover some surprising survival strategies and habits of their residents. We will experience and compare a variety of diverse ecosystems during 2 full-day field trips to local preserves.

1/3/19: Jasper Ridge Biological Reserve (all day)
1/4/19: Higgins-Purisima Open Space (am)
Pillar Point Headlands (pm)

Diane West-Bourke is a professional biologist by training, a naturalist and educator by vocation, and a keen observer of nature by inclination. For over 30 years, she has worked passionately to awaken in others an appreciation and understanding of the natural world, in the hope that we may all develop a deeper sense of connection to the Earth, and an abiding dedication to its preservation.

Diane has been an instructor at the University of British Columbia, Foothill and De Anza Community Colleges, and UC Berkeley and UC Santa Cruz Extensions. She developed and conducts comprehensive nature docent training programs for the Midpeninsula Open Space District, and formerly for Filoli. She spent 14 years working on the coast as a CA State Park Resident Naturalist/Interpretive Specialist. Nature Explorations, her private nature education and consulting company, offers a variety of popular nature classes, trainings and eco-travel experiences throughout the American West and abroad.

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

NOTE:
Students should
bring their laptops

Are you interested in Python and education? Next summer, a number of public libraries will offer Python programming problems (in addition to recommended summer reading lists) in order to help underrepresented students gain access to STEM opportunities. In this Intensive, students will work through one or more of the proposed Python problems and have the opportunity to design one of their own. While each problem must have content accessible to complete beginners, every problem should also have advanced material which could take multiple hours to complete (e.g., writing an algorithm that checks an essay for plagiarism). Because the 2019 summer reading theme ("A Universe of Stories") commemorates the 50th anniversary of the Apollo moon landing, your challenge problem should relate to outer space in some way.

Questions to consider: What do you think makes a programming challenge inspiring and empowering? How would you frame a key concept for a student who might have low self-confidence in technical subjects? Why do you think programming matters, even for people who don't want to become engineers? How would you design a Python challenge suitable for beginners yet also engaging for advanced students?

No prior experience necessary. All levels welcome; students may work alone or in teams. Original problems should consist of an explanation (to be presented as text or as an illustration) and sample code. One or more challenge problems generated by this Intensive may be posted on a national public library resource website.

Robyn Allen teaches engineering because many of today's grand challenges — in energy, healthcare, transportation, and other areas — require interdisciplinary engineering teams that have both world-class technical skills and world-class teamwork abilities. Robyn has mentored math teams, startup companies, and student engineers for 15 years. She holds a BS in aerospace engineering from MIT. Prior to teaching, Robyn worked as a systems engineer in hybrid car design, ultralight aircraft, mobile robotics, software design, and electric grid optimization. She has extensive experience in early-stage technology evaluation and prototyping from both an engineering and business perspective. Robyn has been honored by numerous organizations, including the International Achievement Summit, the Clinton Global Initiative, the MIT Energy Initiative, and the American Institute of Aeronautics and Astronautics.

The Crucible
Engineering/Industrial Art

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

NOTE:
9:30 arrival at The
Crucible.

Depart at 2:00
pm.

Bring your lunch.

Wear warm,
comfortable,
athletic clothing
and shoes.

MIG (metal inert gas) is the most common type of modern welding. It is a process by which a welding machine focuses electricity along a moving metal wire that is fed through a hose to a handheld torch. Student welders manipulate this torch as the electricity melts the wire and creates a weld. You will learn about the fundamentals of MIG welding, such as metallurgy, preparation, joints, technique, and safety. We will also cover plasma torch cutting.

The class begins with a basic, technical welding exercise, then transitions into a small creative project. Come with ideas for a simple project.

The Crucible is a 501(c)(3) nonprofit arts education organization that fosters a collaboration of arts, industry, and community. Through training in the fine and industrial arts, the Crucible promotes creative expression, reuse of materials, and innovative design, while serving as an accessible arts venue for the general public in the Bay Area. Known for one-of-a-kind industrial arts education programs, the Crucible is also highly regarded for its innovative performances.

www.thecrucible.org

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

TIG (tungsten inert gas) welding is a precise method that makes clean, focused welds on everything from super-thin to very thick materials.

In this introductory class, you will use steel to develop a series of fundamental welding techniques. Students will complete a small project by the end of the class.

NOTE:
9:30 arrival at The
Crucible.

Depart at 2:00
pm.

Bring your lunch.

Wear
comfortable,
athletic clothing
and shoes.

The Crucible is a 501(c)(3) nonprofit arts education organization that fosters a collaboration of arts, industry, and community. Through training in the fine and industrial arts, the Crucible promotes creative expression, reuse of materials, and innovative design, while serving as an accessible arts venue for the general public in the Bay Area. Known for one-of-a-kind industrial arts education programs, the Crucible is also highly regarded for its innovative performances.

www.thecrucible.org

Adam Tobin
Film/Writing

Week 1
Thursday + Friday

January 3, 4
8:45 am to 3:15 pm

Consider a scene from your favorite movie or TV series, but dubbed in another language — what would you still understand, feel? What else is going on besides the words? And once the words return, how do they work? What is the full range of tools at the disposal of a screenwriter? This seminar will introduce students to the many disciplines folded into writing for film, television, and other media, and engage students in writing scenes and generating ideas for movies or TV.

*Adam Tobin is a senior lecturer teaching screenwriting in the Film & Media Studies Program at Stanford. He created the half-hour comedy series *About a Girl* and the reality show *Best Friend's Date* for Nickelodeon's *The N* network, has worked at ESPN and the NBA, and received an Emmy for writing on Discovery Channel's *Cash Cab*.*

He has taught story and pitching seminars at DreamWorks Animation, Twentieth Century Fox/Blue Sky Studios, and Aardman Animations. He received a BA in English with honors at Stanford and an MFA in screenwriting from the USC School of Cinematic Arts.

Frank Swart
Music

Week 1
Thursday + Friday

January 3, 4
8:30 am to 3:15 pm

You will explore the production of one or two songs over the course of two days, from arranging to microphone placement to performing, recording, and mixing. You will work for two days at the world famous Tiny Telephone Studios in San Francisco.

NOTE: Students as a group will sync up with presenter before the sessions to determine song selections and performance abilities.

NOTE:
Students who choose this 2-day Intensive will sync up with presenter before the session to collaborate on music-song-original composition choices. Students to bring own lunch and water in a container that won't spill on equipment.

Frank Swart is a Grammy-nominated engineer, producer, and musician. He has been making records and touring for the better part of 25 years, and has worked with Norah Jones, Patty Griffin, Indigo Girls, John Hiatt, Morphine, and Pixies.

Comedy Sportz, Jeff Kramer Theater/Improv

Week 1
Thursday + Friday

Jan 3, 4
8:45 am to 3:15 pm

NOTE:
Students just need to wear comfortable clothing that allows freedom of movement. They can bring their lunch and eat in the theater or there are several restaurants within a 5 minute walk of the theater.

What do Tina Fey, Amy Poehler, Steve Carell, and Steven Colbert have in common? They all began their careers in improv! In this interactive workshop, you'll take a deep dive into the world of improvisation and applied improv. This ensemble-based class will focus on telling group stories, building compelling environments, and creating believable characters in 5 seconds or less. By the end of the session you and your fellow improvisers will have the confidence to step out into the unknown and create something out of nothing. You'll also walk away with valuable communication, problem-solving, and leadership skills that you can apply to all areas of your life.

ComedySportz is the award-winning interactive comedy show where two teams of "act-letes" compete for audience laughs and points while improvising scenes, games, operas, and musicals based on audience suggestion.

ComedySportz was started in 1984 in Milwaukee, Wisconsin, by Dick Chudnow, who based it on the competitive Theatresports improvisational techniques of Keith Johnstone from Calgary, Alberta. The continued growth of ComedySportz culminated in the birth of the World Comedy League. The WCL now has grown to over 20 teams, including teams in Manchester, UK, and Berlin, Germany.

ComedySportz San Jose was founded by Jeff Kramer, who was an original member of the Madison team. The ComedySportz High School League® is the largest, most successful improv training program for high school students in the country. The High School League® empowers students to create their own theater and nourishes their communication skills through improvisational theater workshops and performances. It encourages their individuality and provides a forum to succeed or fail in a safe environment that combines showmanship and sportsmanship. The league provides an extracurricular activity that goes beyond stage work into everyday situations.

www.comedysportzsanjose.com

WEEK ONE

Activities

Week 1
Thursday

January 3
11:00 am to 12:30 pm

Learn how to create realistic wounds for film and television. Join makeup artist Elizabeth Fox as we use professional-grade products to make burns, bruises, and scars. Elizabeth will show you how to navigate using the correct product for the job. We will use silicone build-ups for scarring, bruise wheels and tattoo palettes to make burns and bruises, and learn on-set blood techniques, using multiple fake blood products.

Elizabeth Fox is a union makeup artist who has been working in the field since 2000, with over 20 feature films to her credit. While shooting a short film in New York City, Elizabeth discovered her love of special FX makeup and made the move to LA to learn all she could from some of the best FX artists. In Los Angeles, when not on set, Elizabeth was a molder at Evolution Effects and Steve Johnson's XFX lab. She won Best FX Makeup at the Chicago Horror Festival in 2006, the same year she collaborated with Danny DeVito on his series of short horror films titled Splatter Shorts. In 2007, Elizabeth settled back home in the Bay Area where she continues to work in film and TV along with commercial video and print. Elizabeth teaches workshops and classes in everything from Special FX to HD beauty. TV credits: National Geographic Television, multiple projects on TLC, and Netflix Originals. Commercial clients have included Cisco, Wells Fargo, Banana Republic, Adobe, Cliff Bar, Sprint, and many more. Celebrities have included Natasha Lyonne, Danny DeVito, Rhea Perlman, Jonah Hill, Anika Noni Rose, Peter Coyote, Carol Kane, Bruce Boxleitner, and Yao Ming.

www.makeupbyelizabethfox.com

Start-Up of the Day: Tally — Why You Should Start a Company That Reinvents Money and Banking!

**Jason Brown, Tally
Business/Entrepreneurship**

Week 1
Thursday

January 3
11:00 am to 12:30 pm

Why should you start a company that reinvents money and banking?

Money. It is the most powerful force on the planet. It determines who you know, where you can go, what you can do once you get there. Yet most schools don't teach you how to use the financial system to your advantage. Or how little mistakes can hold you back for decades. In this irreverent session about money and the financial system that mediates it, you'll first learn the three most important ways to make the system work for you and then we will deep dive on why you should consider starting a company that reinvents it.

Jason Brown is the co-founder and CEO of Tally, the app that helps you get out of debt faster. Growing up in a family that struggled financially, Jason started Tally to help people overcome their debt and the anxiety that comes with it. As a repeat entrepreneur, Jason previously co-founded venture-backed consumer solar finance company Gen110 and subscription-based tech support company Bask.com. Jason holds a BS from Boston University and an MBA from the University of Chicago Booth School of Business.

Week 1
Thursday

Learn how to make films that inspire action and keep the lights on.

January 3
11:00 am to 12:30 pm

Brian Storm is founder and executive producer of MediaStorm.

MediaStorm publishes diverse narratives, offers advanced storytelling training and collaborates with a diverse group of clients.

MediaStorm's stories and interactive applications have received numerous honors, including 30 Webby nominations (6-time winner), 17 Emmy Award nominations (4-time winner), two duPont Awards, and an Edward R. Murrow Award.

Prior to launching MediaStorm in 2005, Storm spent two years in New York as vice president of News, Multimedia & Assignment Services for Corbis, a digital media agency founded and owned by Bill Gates. From 1995 to 2002 he was director of multimedia at MSNBC.com.

Storm received his master's degree in photojournalism in 1995 from the University of Missouri. He lives in Los Gatos and can be reached via brian@mediastorm.com.

Activity
Negotiation Mastery:
Influence and the
Psychology of Persuasion

Jessica Notini
Business/Lifeskills

Week 1
Thursday

January 3
11:00 am to 12:30 pm

Every day we make efforts to gain the cooperation of those around us through a variety of formal and informal negotiations. This interactive session will introduce you to different types of "leverage" and the power of persuasion so that you can choose and respond to influencing strategies more consciously and effectively.

We will discuss and use exercises to practice identifying the driving interests, norms, and risks in a situation and responsively shifting between persuasive approaches.

We will also examine the powerful psychological forces behind different influencing strategies to deepen your understanding of how and why they work.

Jessica Notini is a professional trainer, mediator, negotiation coach, and facilitator practicing in California and internationally. She has led many workshops for private entities and public institutions in her areas of practice.

She is an adjunct professor at Stanford, Berkeley, and Hastings Law Schools and Mills Business School. Her mediation practice focuses on family estate and employment disputes. She is past chair of the California State Bar Alternative Dispute Resolution Committee and past president of the Northern California Mediation Association.

She received the 2012 Don Weckstein Memorial Award from CDRC for her leadership in the field of alternative dispute resolution.

Bay Area Chess Critical Thinking

Week 1
Thursday

January 3
11:00 am to 12:30 pm

BayAreaChess combines fun and learning while promoting a team spirit where everyone helps each other succeed and improve. Our chess program will cover the very basics for new students to the game, and we can challenge experienced players with more advanced concepts. Students will have the opportunity to learn the moves of the pieces, opening strategy, tactics, checkmates, and endgame play. Students will also learn valuable life skills through chess, such as winning and losing with grace, sportsmanship, planning, and team spirit. Our mission is to transform and enrich the lives of students through chess.

Bay Area Chess started as a parent volunteer organization when founder Salman Azhar's son moved to a new school with a low-quality, high-cost commercial program. The goal was to sharpen the minds of our own children through top-notch instruction by deeply passionate teachers.

Our work was so successful that other parents requested programs and events at their school. We had to grow fast and hired professional coaching and administrative staff to support the growth. Almost 15 years later, our values remain the same and we treat all children like our own and do for them what we would do for our children. We have constantly evolved and improved our program to stay committed to that goal.

Stanford (Seminar rolls into Activity) Fitness/Sports

Week 1
Thursday + Friday

January 3, 4
8:45 am to 12:00 pm

NOTE:
9:00 Arrival at
Stanford Cardinal
Fencing Club at
Stanford.

Depart at noon back
to BM.

All students are
required to wear
appropriate athletic
clothing. Nobody with
a history of fainting.

Any student assigned
to this seminar will not
be assigned to an
activity session on
these days as you
need the extra time
for transport. You will
be back in time for
lunch.

NOTE: This activity session is part of a 2-day seminar and not a stand-alone session.

Since 1983 Cardinal fencing center (former Stanford fencing club) has been an athletic home for hundreds of recreational and competitive athletes of all ages. During its existence the center brought up an incredible number of fencers who have succeeded on local, national, and international levels. Many athletes who have started their fencing careers with us went on to successfully represent Stanford, as well as other prestigious NCAA institutions such as Princeton, Yale, and Duke.

Michael Rogers
Fitness/Wellness

Week 1
Thursday

January 3
11:00 am to 12:30 pm

This activity will give you a taste of the world of rock climbing. We will cover the basic skills, such as tying into your harness with a follow-through figure 8 knot, proper belay technique using an ATC, and complete safety checks on you and your partner. This is a great opportunity to have fun exploring a perspective-changing sport and challenge your body and mind!

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity. Please wear athletic attire.

Mike has been climbing since 2006 all over the world, from El Capitan and Half Dome in Yosemite to the Blue Mountains in Australia and limestone cliffs of Thailand. Spending hundreds of hours on rock in California and working for Touchstone Climbing, he climbs up to 5.12 on rope and V8 bouldering.

Mike has been a climbing and climbing fitness instructor for 7+ years with the likes of Alex Honnold and Hans Florine taking his classes to improve their already elite status. He regularly teaches rigging workshops while on tour as Technical Director for BANDALOOP, a vertical dance company based out of Oakland, California.

Ken Shelf, Succulence
Gardening

Week 1
Thursday

During this class you will learn about terrariums and the ins and outs of creating them. Learn how to care for, maintain, propagate, and transplant succulent plants.

January 3
11:00 am to 12:30 pm

You will plant a 5" hanging globe terrarium utilizing an array of 2" plants that you will get to choose from and a huge variety of mosses, pebbles, sands, and tumbled glass to decorate with.

This class is hands-on, so dress in clothes that you don't mind getting a little dirty and prepare to enjoy a session of education and creativity!

Succulence is a creative partnership between Ken and Amy Shelf. Ken is the lead cultivator at Succulence. Ken's plant art began decades ago with creative vegetable gardening and continues with his exploration of the disintegration and reintegration of nature with itself. In his endless quest for interesting planting vessels, he has planted teapots, popcorn poppers, electrical boxes, watering cans, shoes, bicycle rims, bird feeders, seashells, grain mill belts, coal cans, potato and onion baskets, and a metal Hoosier flour bin for his wife's 40th birthday. Amy Shelf is an artist, a singer (with Conspiracy of Venus), a collagist, a mom, a lawyer, a pickler, a jammer, and many other things. She spends her workdays building estate plans, and her nights are spent working on projects and developing the vision for Succulence. After Amy came up with the idea to name the store after the richness of life, their philosophy collided with their venture to form Succulence: life and garden.

Activity
Auto Maintenance 101:
Know Your Car Bumper to
Bumper

Ben Johnson, All Automotive Masters
Lifeskills

Week 1
Thursday

January 3
11:00 am to 12:30 pm

Finally having the freedom and ability to drive your own vehicle is great. But breaking down on the side of the road and potentially having to spend a lot of money on car repairs? Not so great. Keeping your car well-maintained isn't necessarily rocket science, and there are many key inspections that you can do yourself to make sure your car is operating well between scheduled visits to your auto mechanic.

NOTE:
Wear clothing you
don't mind
getting greasy!

This 90-minute, hands-on, interactive session with local master auto technician Ben Johnson will walk you through your auto from bumper to bumper. Ben will cover the obvious and the not so obvious. Do you know how to change your headlight bulbs, wiper blades, or even a tire? Do you know how to use jumper cables, and where to place them? Do you know how to put snow chains on your tires? How about checking your oil and fluids? Do you know the difference between antifreeze and windshield wiper fluid? Do you know why your car uses regular, premium, or diesel fuel?

Keeping tabs on the condition of basic equipment on your car such as windshield wipers, spare tires, and headlights will no longer be a mystery once you drive away from this course!

Ben Johnson started working with the luxury automobile company BMW in 1981, working on BMW's Alpena performance team. He later transferred to Mercedes Benz of San Francisco, where he became a master technician. After a lengthy career with Mercedes Benz and various shops throughout the San Francisco Bay Area, he opened and now operates his own automotive shop, where he continues to work on everything from luxury to standard cars. Additionally, he consults on diagnoses for other Bay Area auto shops on his specialties, German cars.

Impact Bay Area
Lifeskills

Week 1
Thursday

January 3
11:00 am to 12:30 pm

As you go through high school you gain more and more independence. With that independence comes the need for increased awareness. This introduction to self-defense will give you the confidence to set clear boundaries, evaluate risk, and give you some tools to keep you safe as you travel into the wider world. All are welcome!

Impact Bay Area is a nonprofit organization that teaches effective boundary setting, personal safety, and physical self-defense skills. We have been teaching self-defense in schools for over 25 years. Impact classes build verbal and physical skills to set good boundaries, prevent possible violence, and fight back when necessary. Our classes boost confidence and empower students!

www.impactbayarea.org/private_class_info

Ryan Roy Martial Arts/Fitness

Week 1
Thursday

January 3
11:00 am to 12:30 pm

NOTE:
Athletic clothing
required.

Boxing is a combat sport in which two people, usually wearing protective gloves, throw punches at each other for a predetermined time in a boxing ring. Not only is boxing one of the principal spectator sports in the world, it is also a great workout. It builds strength and muscular and cardiovascular endurance as well as self-esteem — developing self-defense skills is a great confidence booster. But the average person who can throw a punch isn't a boxer. Beginners must learn the basics to get the most out of their skills and workout. There are specific boxing techniques that you must know to prevent injury, in addition to putting the most power behind your punch. Fight stance, left jab, bob and weave, and 1–2 punch will all be introduced during your session.

Professional fighter and martial arts expert Ryan Roy will introduce you to boxing techniques, practices, and equipment, and run through a full introductory class of instruction.

Ryan "T2" Roy is a professional Muay Thai fighter with over 14 years of Muay Thai and martial arts experience, and the founder and owner of T2 Muay Thai Studio in Mountain View, CA. He is a professional and amateur champion who has trained and fought both nationally and internationally, including in the founding home of Muay Thai, Thailand. Ryan began his Muay Thai career in the late 1990s under the original Fairtex team and gym in San Francisco. His trainers were Thailand stadium and current world champions and to this day Ryan still trains under the legendary Ganyao "Dr. Knee" Sitphodang Arunleung (trainer of 15 world champions).

www.t2muaythai.com

**Shanda Manion and Kimble Torres, Pathways to Medicine
Medicine**

Week 1
Thursday

Join others passionate about exploring careers in the medical field for a fun lab that will teach you the basics of surgery and how to suture a wound.

January 3
11:00 am to 12:30 pm

Take the opportunity to learn valuable medical skills related to surgical professions. This class will also guide you through the steps nurses, doctors, and surgeons follow to clean, disinfect, and anesthetize wounds prior to surgery and suturing.

NOTE:
Suturing needles
will be used.

Pathways to Medicine uses experiential learning and hands-on practice to cultivate students' potential in medicine. With its dynamic, inquiry-driven curriculum, Pathways to Medicine offers students the opportunity for self-discovery as they pursue their interests in health, science, and medicine.

Shanda's passion for education and medicine has inspired her extensive work in the healthcare field. In 2011, she began working at UCSF Hospital as a patient health educator for the UCSF National Center of Excellence in Women's Health and UCSF's Women's Health Great Expectations Pregnancy Program. She co-founded Pathways to Medicine in order to share her knowledge and enthusiasm for medicine with the next generation of healthcare providers.

Kimble Torres is a veteran biologist specializing in the human body and athletics. During his tenure in the biotech industry, Kimble worked for Nektar Therapeutics, Genentech, and Tyco Healthcare, investigating product feasibility and managing lab operations. In 2014, his passion for medicine and health education culminated in the founding of Pathways to Medicine, a pre-med program for high school students.

Activity
Accidents, Aliens, Flying
Moose, and Ugly Music:
A Story Concert

Willy Claflin
Performance

Week 1
Thursday

January 3
11:00 am to 12:30 pm

NOTE:
Anyone can enroll
but this activity is
a prerequisite for
students in Willy's
seminar.

Willy Claflin is a one-man festival. Spanning historical sagas, intergalactic yarns, Mother Moose Tales, and counterculture misadventures, he covers the full spectrum of spoken-word entertainment. A headliner and master of ceremonies at the National Storytelling Festival, Willy is a favorite at festivals throughout the U.S. He offers stories for families as well as adults, often weaving music into his performances. An accomplished guitar player and narrative ballad specialist, Willy will show you how it's done — and make you laugh out loud while you're learning! Anyone can enroll in this activity but all students in Willy's seminar will be automatically enrolled.

Claflin has an ear for the incongruous and a blithe love of the absurd. This is an irreverent folkie who kicks the stuffing out of museum pieces."
— Boston Phoenix

<http://www.willyclaflin.com>

Stella Aslibekyan, 23andMe
Science

Week 1
Thursday

January 3
11:00 am to 12:30 pm

When the science of epigenetics — or heritable biochemical alterations of the genome conferred by the environment — entered popular culture, many were eager to declare “victory over the genes,” proclaiming that “your DNA is not your destiny.” After all, if we can modify our own genome through diet, lifestyle, medications, or some other form of biohacking, then our parents' deleterious alleles (and yes, we all have those) lose their power. And if these beneficial modifications can be inherited, what does that tell us about the course of human evolution? In this session, we will explore both the promise and the limits of epigenetic technology in human disease, and grapple with the tricky question of epigenetic inheritance. We will also debate which theory of evolution was more consistent with modern epigenetic evidence: Darwin's or Lamarck's?

Stella Aslibekyan is a genetic epidemiologist at 23andMe. She designs, analyzes, and interprets data from large-scale studies of genetic and environmental risk factors in human disease. Before coming to 23andMe, Dr. Aslibekyan was an associate professor of epidemiology at the University of Alabama and a principal investigator on several research grants. During that time, her team discovered several key epigenetic changes that predict risk of heart disease in a variety of populations. A recipient of multiple teaching awards, Dr. Aslibekyan has taught courses in epidemiology, genetics, data science, psychopathology, and even queer cinema. Dr. Aslibekyan received her undergraduate degree from Stanford University and her graduate training in epidemiology at Harvard School of Public Health and Brown University.

Conservation Ambassadors, David and Lisa Jackson
Wildlife/Environment

Week 1
Thursday

January 3
11:00 am to 12:30 pm

Discover the rain forest, the single most important ecosystem on earth. Students will learn about the resources we rely on that are found in the rain forests of the world, and they will take a journey through the layers to meet the animals that keep the rain forest alive.

NOTE:

Live animals are part of this session. You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

David's passion for wildlife and desire to educate and inspire conservation worldwide is what led him to establish Conservation Ambassadors 25 years ago. His passion started in high school with jobs in animal care and training dogs and parrots. His unique experiences inspired him to pursue a career in the animal care field, and he went to work in the zoological medicine department at UC Davis Veterinary Teaching Hospital. His dedication and interest in wildlife and wild places led him to attend Moorpark College in California, a facility certified by the Association of Zoos and Aquariums, where he earned a degree in exotic animal training and zoological management.

David has traveled around the world to assist with wildlife conservation efforts. Over his career, he has received numerous awards for animal welfare, zoo management, education, and training.

Conservation Ambassadors' mission is giving a worldwide voice to wildlife by providing a permanent, loving home for displaced, abused, abandoned, or permanently injured wild and exotic animals. Through our "Zoo to You" outreach program, we share these animal ambassadors with school children and learners of all ages to educate them about conservation, connect them to the wild world, and inspire them to protect the planet.

www.conservationambassadors.org

Activity
Urban Planning: A Study of
Bay Meadows
(A Walking Tour)

Lena Klein and Antariksh Tandon
Architecture/Urban Planning

Week 1
Friday

January 4
11:00 am to 12:30 pm

NOTE:

Students please wear athletic clothes and shoes and prepare for weather- session will take place rain or shine.

Urban design was once a measure for structured growth but is now often an endeavor to extensively design “ideal” cities that satisfy all of the conscious, unconscious, current, and future needs of the people who inhabit them. But the ideal rarely plays out as expected. When a development is fully conceived, planned, and executed by a small group of people, you get a turnkey city — a place that is “finished” and ready for people to occupy, yet may have little room for future growth or the potential to evolve with its occupants.

Situated within a lineage that originated with the Garden Cities movement, Bay Meadows is an example of a fully planned community, mediating suburban and urban conditions. We will use Bay Meadows as a case study to examine the principles of urban design including density/openness, private/public, planned activity/spontaneous occupation, accessibility and affordability. Students will learn to look at their urban environment with a critical eye, question the motives for design choices, and discuss successes and failures. We will explore the social ideals that influence the design of Bay Meadows and discuss the paradoxes that are inherent in a solution that splits the difference between what people want and what they aren't willing to give up.

Lena Klein and Antariksh Tandon are a husband-wife architecture team whose shared interests focus on the potential of architecture and urban design to act as social engineering apparatuses.

Lena Klein is a facade designer at Front Inc with a background in architecture and material science engineering. Her thesis research at Georgia Tech focused on developing infrastructure for urban agriculture to create balanced ecologies, as well as concept design and testing of materials optimized for hybrid performance. She previously lived in Atlanta, Barcelona, and New York before moving to Oakland in 2017, experiences that served as an active critique for a wide range of urban design strategies.

While studying at the University of Waterloo, Antariksh Tandon interned at architectural firms in Japan, China, Holland, Canada, and the US, affording him a broad understanding of the relationship between architecture, culture, and place. Upon graduation, he moved to New York, where he worked for five years on cultural buildings such as the Mercedes Benz Future Center in Stuttgart while at REX, various residential building in New York while at CookFox, and master plans for a major technology company while at Practice for Architecture and Urbanism. He moved to the Bay Area in 2017 and now works at Workshop1, a full-service architecture and development firm.

Elizabeth Fox
Art/Film

Week 1
Friday

January 4
11:00 am to 12:30 pm

Creating a movie character from page to picture is an exciting challenge. Learn how to make specific choices in a makeup design and how to execute the look. Make your characters pop off the page using unnoticeable tricks with makeup. What does a character suffering from the black plague look like? What should Frankenstein's monster really look like? Do all pirates wear eyeliner? In this fast-moving activity, we'll choose characters we all know and create makeup designs for them, then apply the makeup look. Film and TV makeup artist Elizabeth Fox will be there to help you create the most believable and memorable character.

Elizabeth Fox is a union makeup artist who has been working in the field since 2000, with over 20 feature films to her credit. While shooting a short film in New York City, Elizabeth discovered her love of special FX makeup and made the move to LA to learn all she could from some of the best FX artists. In Los Angeles, when not on set, Elizabeth was a molder at Evolution Effects and Steve Johnson's XFX lab. She won Best FX Makeup at the Chicago Horror Festival in 2006, the same year she collaborated with Danny DeVito on his series of short horror films titled Splatter Shorts. In 2007, Elizabeth settled back home in the Bay Area where she continues to work in film and TV along with commercial video and print. Elizabeth teaches workshops and classes in everything from Special FX to HD beauty. TV credits: National Geographic Television, multiple projects on TLC, and Netflix Originals. Commercial clients have included Cisco, Wells Fargo, Banana Republic, Adobe, Cliff Bar, Sprint, and many more. Celebrities have included Natasha Lyonne, Danny DeVito, Rhea Perlman, Jonah Hill, Anika Noni Rose, Peter Coyote, Carol Kane, Bruce Boxleitner, and Yao Ming.

www.makeupbyelizabethfox.com

Week 1
Friday

January 4
11:00 am to 12:30 pm

NOTE:
Read Case Study:
"LeBron James:
Building a
Hollywood
Empire." Will be
sent to you once
session is assigned.

Pioneered by Harvard Business School faculty, the case method is a profound educational innovation that presents the greatest challenges confronting leading companies, nonprofits, and government organizations — complete with the constraints and incomplete information found in real business issues — and places the student in the role of the decision maker. This case discussion on basketball superstar LeBron James examines his strategy, with his childhood friend and business partner Maverick Carter, in establishing his film and production company, SpringHill Entertainment, as well as his digital sports platform, Uninterrupted. Both SpringHill Entertainment and Uninterrupted have entered into agreements with Warner Brothers Studios to help launch their businesses. The goals of this case are:

- To examine the evolving power of superstars in Hollywood
- To explore ways that superstars can create and capture values from their brands
- To understand how an individual superstar can build a successful media business, cutting across film, television, and digital platforms
- To analyze how conglomerates create value with individual stars seeking to build entertainment businesses

Dickson Louie is principal of Louie & Associates, providing strategic planning services. He teaches the "Business of the Media" MBA elective at UC Davis. Louie is CEO of Time Capsule Press, a book-publishing imprint that focuses on the creation of books from archival material. Louie has over 25 years of professional management experience within the news media industry, including at the LA Times, the San Jose Mercury News, and the San Francisco Chronicle. As a member of the corporate staff of Times Mirror, he oversaw the finances of its \$2 billion newspaper division. Louie was a research associate at the Harvard Business School, where he authored over 20 management case studies for the second-year MBA course. A certified public accountant, Louie received his BS in business administration from California State University, East Bay (with high honors), and his MBA from the University of Chicago. He completed the Advanced Executive Program at Northwestern University's Media Management Center.

Dr. Nikole Kimes, Siolta
Business/Entrepreneurship

Week 1
Friday

January 4
11:00 am to 12:30 pm

Our mission is to develop microbiome-based, live biotherapeutics, as well as companion diagnostics, aimed at the prevention and treatment of inflammatory diseases, beginning with asthma. We will discuss the Siolta Therapeutics story and explain the skills we used build the business in the early days. It will be an informal conversation with plenty of time for Q&A.

Dr. Nikole Kimes is Founder and Chief Scientific Officer of Siolta Therapeutics, a San Francisco-based biotech company developing novel microbiome-focused precision strategies for the prevention and treatment of inflammatory diseases. As the lead executive driving Siolta's early-stage development, Dr. Kimes heads a talented team of scientists, blending microbiology, immunology, and bioinformatics expertise to leverage microbiome data for the improvement of patient stratification and development of precision microbial therapeutics. An inventor of Siolta's technology, her research in Dr. Susan Lynch's lab at the University of California San Francisco, provided the foundation from which the translational research program at Siolta Therapeutics has developed.

Negotiation Mastery: Key Principles for Improving Collaboration, Relationships, and Results

Jessica Notini
Business/Lifeskills

Week 1
Friday

January 4
11:00 am to 12:30 pm

Using a combination of interactive discussion and roleplay, we will explore the competitive and collaborative tensions present in most negotiations and identify tools for maximizing outcomes while respecting and maintaining healthy relationships.

Participants should learn to be aware of and manage the tension between creating and claiming value as well as how to move past surface demands and strategies to discover the underlying needs and motivators that can lead to more and better solutions.

In this session we will also discuss how to increase "legitimacy" with the use of objective criteria and how to identify alternatives to a negotiated agreement.

Jessica Notini is a professional trainer, mediator, negotiation coach, and facilitator practicing in California and internationally. She has led many workshops for private entities and public institutions in her areas of practice.

She is an adjunct professor at Stanford, Berkeley, and Hastings Law Schools and Mills Business School. Her mediation practice focuses on family estate and employment disputes. She is past chair of the California State Bar Alternative Dispute Resolution Committee and past president of the Northern California Mediation Association.

She received the 2012 Don Weckstein Memorial Award from CDRC for her leadership in the field of alternative dispute resolution.

Bay Area Chess Critical Thinking

Week 1
Friday

January 4
11:00 am to 12:30 pm

BayAreaChess combines fun and learning while promoting a team spirit where everyone helps each other succeed and improve. Our chess program will cover the very basics for new students to the game, and we can challenge experienced players with more advanced concepts. Students will have the opportunity to learn the moves of the pieces, opening strategy, tactics, checkmates, and endgame play. Students will also learn valuable life skills through chess, such as winning and losing with grace, sportsmanship, planning, and team spirit. Our mission is to transform and enrich the lives of students through chess.

Bay Area Chess started as a parent volunteer organization when founder Salman Azhar's son moved to a new school with a low-quality high-cost commercial program. The goal was to sharpen the minds of our own children through top-notch instruction by deeply passionate teachers.

Our work was so successful that other parents requested programs and events at their school. We had to grow fast and hired professional coaching and administrative staff to support the growth. Almost 15 years later, our values remain the same and we treat all children like our own and do for them what we would do for our children. We have constantly evolved and improved our program to stay committed to that goal.

Michael Rogers
Fitness/Wellness

Week 1
Friday

January 4
11:00 am to 12:30 pm

This activity will give you a taste of the world of rock climbing. We will cover the basic skills, such as tying into your harness with a follow-through figure 8 knot, proper belay technique using an ATC, and complete safety checks on you and your partner. This is a great opportunity to have fun exploring a perspective-changing sport and challenge your body and mind!

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity. Please wear athletic attire.

Mike has been climbing since 2006 all over the world, from El Capitan and Half Dome in Yosemite to the Blue Mountains in Australia and limestone cliffs of Thailand. Spending hundreds of hours on rock in California and working for Touchstone Climbing, he climbs up to 5.12 on rope and V8 bouldering.

Mike has been a climbing and climbing fitness instructor for 7+ years with the likes of Alex Honnold and Hans Florine taking his classes to improve their already elite status. He regularly teaches rigging workshops while on tour as Technical Director for BANDALOOP, a vertical dance company based out of Oakland, California.

Week 1
Friday

January 4
11:00 am to 12:30 pm

Learn all about these rain forest plants — how to care for, maintain, and propagate them.

Design a 5" hanging globe aerium utilizing an array of tilandsia (airplants) that you will get to choose from and a variety of mosses, pebbles, sands, tumbled glass, sticks, and other natural elements.

Succulence is a creative partnership between Ken and Amy Shelf. Ken is the lead cultivator at Succulence. Ken's plant art began decades ago with creative vegetable gardening and continues with his exploration of the disintegration and reintegration of nature with itself. In his endless quest for interesting planting vessels, he has planted teapots, popcorn poppers, electrical boxes, watering cans, shoes, bicycle rims, bird feeders, seashells, grain mill belts, coal cans, potato and onion baskets, and a metal Hoosier flour bin for his wife's 40th birthday. Amy Shelf is an artist, a singer (with Conspiracy of Venus), a collagist, a mom, a lawyer, a pickler, a jammer, and many other things. She spends her workdays building estate plans, and her nights are spent working on projects and developing the vision for Succulence. After Amy came up with the idea to name the store after the richness of life, their philosophy collided with their venture to form Succulence: life and garden.

Week 1
Friday

January 4
11:00 am to 12:30 pm

NOTE:
In many of the
cases you will be
shown there will
be crime scene
photos. You
should be
prepared for this.

No photo taking
during sessions
permitted - no
exceptions.

We will examine how a jury is selected in a criminal case, using an actual case as the basis for the course, followed by an opening statement in a murder case.

Television and film depictions of criminal cases rarely show the opening statement or the significance of jury selection. A real example will be shown — a case involving 4 defendants charged with a felony murder.

Students will be asked to participate as potential jurors during the jury selection process.

Patrick McKinley has prosecuted numerous murder, rape, theft, bribery, assault, robbery, and other serious felony charges, as well as countless misdemeanor cases. He has been involved in over 330 jury trials that went to verdict, including many murder cases that settled as well as 15 that went to trial.

He also participated in the longest criminal investigation and prosecution in the history of Santa Barbara County: the 7-year investigation (1987– 1993) and successful prosecution of three defendants in a murder for hire. Patrick joined the District Attorney's Office in Santa Barbara on June 1, 1970, as a deputy district attorney. He graduated from Duquesne University and Duquesne University School of Law.

Activity
Auto Maintenance 101:
Know Your Car Bumper to
Bumper

**Ben Johnson, All Automotive Masters
Lifeskills**

Week 1
Friday

January 4
11:00 am to 12:30 pm

Finally having the freedom and ability to drive your own vehicle is great. But breaking down on the side of the road and potentially having to spend a lot of money on car repairs? Not so great. Keeping your car well-maintained isn't necessarily rocket science, and there are many key inspections that you can do yourself to make sure your car is operating well between scheduled visits to your auto mechanic.

NOTE:
Wear clothing you
don't mind
getting greasy!

This 90-minute, hands-on, interactive session with local master auto technician Ben Johnson will walk you through your auto from bumper to bumper. Ben will cover the obvious and the not so obvious. Do you know how to change your headlight bulbs, wiper blades, or even a tire? Do you know how to use jumper cables, and where to place them? Do you know how to put snow chains on your tires? How about checking your oil and fluids? Do you know the difference between antifreeze and windshield wiper fluid? Do you know why your car uses regular, premium, or diesel fuel?

Keeping tabs on the condition of basic equipment on your car such as windshield wipers, spare tires, and headlights will no longer be a mystery once you drive away from this course!

Ben Johnson started working with the luxury automobile company BMW in 1981, working on BMW's Alpena performance team. He later transferred to Mercedes Benz of San Francisco, where he became a master technician. After a lengthy career with Mercedes Benz and various shops throughout the San Francisco Bay Area, he opened and now operates his own automotive shop, where he continues to work on everything from luxury to standard cars. Additionally, he consults on diagnoses for other Bay Area auto shops on his specialties, German cars.

Impact Bay Area
Lifeskills

Week 1
Friday

January 4
11:00 am to 12:30 pm

As you go through high school you gain more and more independence. With that independence comes the need for increased awareness. This introduction to self-defense will give you the confidence to set clear boundaries, evaluate risk, and give you some tools to keep you safe as you travel into the wider world. All are welcome!

Impact Bay Area is a nonprofit organization that teaches effective boundary setting, personal safety, and physical self-defense skills. We have been teaching self-defense in schools for over 25 years. Impact classes build verbal and physical skills to set good boundaries, prevent possible violence, and fight back when necessary. Our classes boost confidence and empower students!

www.impactbayarea.org/private_class_info

Ryan Roy
Martial Arts/Fitness

Week 1
Friday

January 4
11:00 am to 12:30 pm

NOTE:
Athletic clothing
required.

Kickboxing is a group of stand-up combat sports based on kicking and punching, historically developed from karate and Muay Thai. Kickboxing is practiced for self-defense, general fitness, or as a contact sport. American kickboxing originated in the 1970s and was brought to prominence in 1974, when the Professional Karate Association (PKA) held the first world championships. Historically, kickboxing can be considered a hybrid martial art formed by combining elements of various traditional styles. Kickboxing has contributed to the emergence of mixed martial arts via further hybridization with ground-fighting techniques from Brazilian jiu-jitsu and folk wrestling.

Professional fighter and martial arts expert Ryan Roy will introduce you to kickboxing techniques, practices, equipment, and run through a full introductory class of instruction.

Ryan "T2" Roy is a professional Muay Thai fighter with over 14 years of Muay Thai and martial arts experience, and the founder and owner of T2 Muay Thai Studio in Mountain View, CA. He is a professional and amateur champion who has trained and fought both nationally and internationally, including in the founding home of Muay Thai, Thailand. Ryan began his Muay Thai career in the late 1990s under the original Fairtex team and gym in San Francisco. His trainers were Thailand stadium and current world champions and to this day Ryan still trains under the legendary Ganyao "Dr. Knee" Sitphodang Arunleung (trainer of 15 world champions).

www.t2muaythai.com

Erika Schillinger and Monika Schoenhoff
Science/Cooking

Week 1
Friday

January 4
11:00 am to 12:30 pm

NOTE: This Activity Session is part of the 3-Day Seminar and not a stand-alone session.

Monika Schoenhoff, PhD, has worked for a number of years in the pharmaceutical industry as a pharmacokinetics/pharmacodynamics scientist (Genentech and small start-ups). For the last ten-plus years she followed her passion for science by bringing it to the classroom. She is honored and excited to be teaching the "Science of Food" course for Nueva again. She believes combining equal parts of passion for science, cooking, baking, and education is the perfect recipe.

Erika Schillinger, MD, is a clinical associate professor of medicine at Stanford. She is the Predoctoral Director in Family Medicine and has helped develop Stanford's clinical skills and doctoring curriculum. Her focus is on bedside manner, professionalism, and patient-centered care. In her work as an educator, she strives for an integrative, collaborative, innovative approach. She is grateful to be given the opportunity to weave together three passions — science, teaching, and food — in the service of a school she is coming to love.

Week 1
Friday

January 4
11:00 am to 12:30 pm

Imagine a future where one day we can regrow our body parts, control other minds, and manipulate artificial devices using just our thoughts. We will discuss these “future” technologies, their social and ethical implications, and how that future is closer than we think.

Paul Li is lecturer in cognitive science at the University of California, Berkeley. He is the co-author of a textbook, The Cognitive Sciences: An Interdisciplinary Approach. He has written for Scientific American Mind and Psychology Today, and was employee number 2 at Lumosity, where he was the company's founding research scientist from 2007 to 2009. He was recently an episode consultant for National Geographic Channel's Emmy-nominated series Brain Games. He has been invited to teach at several universities, including Seoul National University, the Indian Institutes of Technology, and Stanford University.

Conservation Ambassadors, David and Lisa Jackson
Wildlife/Environment

Week 1
Friday

January 4
11:00 am to 12:30 pm

NOTE:

Live animals are part of this session. You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

Watch the desert come alive in this thought-provoking and entertaining look at the animals that survive and thrive in the harshest of climates.

David's passion for wildlife and desire to educate and inspire conservation worldwide is what led him to establish Conservation Ambassadors 25 years ago. His passion started in high school with jobs in animal care and training dogs and parrots. His unique experiences inspired him to pursue a career in the animal care field, and he went to work in the zoological medicine department at UC Davis Veterinary Teaching Hospital. His dedication and interest in wildlife and wild places led him to attend Moorpark College in California, a facility certified by the Association of Zoos and Aquariums, where he earned a degree in exotic animal training and zoological management.

David has traveled around the world to assist with wildlife conservation efforts. Over his career, he has received numerous awards for animal welfare, zoo management, education, and training.

Conservation Ambassadors' mission is giving a worldwide voice to wildlife by providing a permanent, loving home for displaced, abused, abandoned, or permanently injured wild and exotic animals. Through our "Zoo to You" outreach program, we share these animal ambassadors with school children and learners of all ages to educate them about conservation, connect them to the wild world, and inspire them to protect the planet.

www.conservationambassadors.org

WEEK TWO
Morning Seminars

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

Ask any world archaeologists what are the world's greatest archaeology sites, and the answers will likely include Pompeii, Machu Picchu, Troy, the Xian Mausoleum of Qinshihuangdi, King Tut's tomb, the Assyrian Library of Nineveh, and Qumran, among others. Each has dramatically changed history, as summarized in Hunt's best-selling book *Ten Discoveries That Rewrote History*.

*Award-winning archaeologist, author, and National Geographic grantee Patrick Hunt earned his PhD in archaeology from the Institute of Archaeology, University College London, and has taught at Stanford University for 25 years. Patrick directed the Stanford Alpine Archaeology Project from 1994 to 2012, and has continued project-related fieldwork in the region in the years since. His Alps research has been sponsored by the National Geographic Society's Expeditions Council. Patrick frequently lectures for National Geographic and others on Hannibal and the European mummy nicknamed Otzi the Iceman. He is also a national lecturer for the Archaeological Institute of America as well as an elected fellow of the Royal Geographical Society. He is the author of 18 published books including the Penguin best-seller *Ten Discoveries That Rewrote History* and another book titled *Alpine Archaeology*. He has also published more than 100 articles, including more than a dozen for the *Encyclopedia Britannica*, mostly on Hannibal. Patrick has been featured in many National Geographic and NOVA documentaries, and has consulted for BBC and been featured in BBC radio interviews. He has a lifelong love of the Alps, having lived there for several months every year since 1994 — when not in the classroom or on the lecture circuit.*

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

NOTE:
All students should
bring their
computers.

Process art takes unexpected sets of instructions and uses them to create works with a surprising impact. This year we're going to focus on using video recordings to create our art. That brings an element of performance art into the equation.

The creativity in process art rests in devising interesting and elegant rules to follow in making your work, rather than having a predetermined outcome in mind. The concepts of chance, change, and transience are all important to the approach. Some of process art's most well known practitioners include Lynda Benglis, Eva Hesse, Robert Morris, Bruce Nauman, Susan O'Malley, Alan Saret, Richard Serra, Robert Smithson, and Keith Sonnier. Process art also relates to the earlier Dada and Surrealist movements, Buddhist sand painting, conceptual art, and the work of drip painters like Jackson Pollock.

In this seminar, we'll spend some time researching process artists and their methods. We'll then work in groups or individually to devise our own sets of rules and follow them to create our own works in video. We might work with found objects, our own bodies, sounds, varieties of movement, paint, paper, or other materials. We will document our work and share it in a gallery space, either on campus or online.

Simon Firth (Finley Firth's dad) is a professional communicator and amateur maker of everything from jewelry to tree houses. A former public television producer and commissioned playwright, he now makes a living writing for clients like HP, VMware, and Stanford University. Simon has a longstanding interest in the history and practice of art, and in developing new approaches to communication and education. He has taught intersessions at the Nueva Upper School and the Girls' Middle School in Palo Alto, covering topics that include process art, book art, environmental art, inspirational signage, and information display at a massive scale. Simon received a BA in philosophy and art history (minor) from University College, London, an MA in communications studies from City University, London, and an MSc in television, radio, and film from Syracuse University.

<https://simonfirth.wordpress.com/>

Deb Jemmott, Artist and Gil Jemmott, Mechanical Engineer
Art/Engineering

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

Dress up your fingers and learn the basics of jewelry making techniques by creating rings, rings, rings!

You will learn the basic of metal fabrication and silver soldering used to make a variety of rings. Working with square, round, or rectangular sterling silver, you will saw, file, solder, texture, and finish the metal to create stacking rings, spinner rings, or a band ring. Or maybe several! The skills you learn in this class will carry over into many other metal-working projects.

Instruction will include how to accurately measure your finger, and then size, solder, and shape a ring to fit. Using hammers, stamps, and other hand tools, you will learn how to apply texture to your designs. Patinas can be applied to enhance the texture and show off your new creations!

Deb Jemmott is a practicing jeweler, metalsmith, and instructor. She received her BFA from the University of Houston and her MA from San Diego State University — both in art, specializing in jewelry making and metalsmithing. She has taught jewelry making for over 40 years and especially loves spending the day in her studio creating wonderful things. Gil Jemmott is a mechanical engineer and graduated from University of California, San Diego, with degrees in applied mechanics and psychology. He has worked on the Hubble Space Telescope, developed biomedical devices, and designed and built tools for jewelry manufacturing.

Gary Staab
Art/Science

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

Have you ever wondered how the models you see in museums are made? Working with clay you will create your own small-scale mammoth sculpture. The course blends science and art, working with a 3-D print of fossil bones. We will compare the anatomy of many living and extinct animals as we travel back into deep time to recreate a mammoth.

NOTE:

You may notice that this seminar is offered in the morning as well. You may sign up for both, but will only be assigned to one.

Please dress in clothing you don't mind getting dirty.

Gary Staab produces natural history and prehistoric life models for museums, publishing, and film. Gary has a degree in art/biology and interned at the Smithsonian Institution and the British Museum of Natural History. Staab's work and eclectic studio demonstrate a flair and passion for natural forms both past and present. Gary's sculptures embellish the halls of the Smithsonian, the British Museum of Natural History, the American Museum of Natural History, the BBC, and many others. His work has also been featured by the Discovery Channel, National Geographic magazine, and Dorling Kindersley Publishers. He has been the recipient four times of the prestigious John Lanzendorf Paleo art award for sculpture, presented by the Society of Vertebrate Paleontology.

Gary has worked the last 19 years as a freelance sculptor for such institutions as the National Geographic Society, the Smithsonian's National Museum of Natural History, the Carnegie Museum of Natural History, and the Miami Science Museum, among many others. "It is an amazing privilege to be a part of the production of models for museums. It takes hours and hours of research and consultation with scientists before I can even begin to think about making a sculpture. It's a job that continues to hold much fascination for me as it allows me to read and research, sculpt and paint, and interact with scientists doing exciting work in the field of paleontology/archeology. New finds are being made every year, so there are inevitably new discoveries to restore and hopefully there will always be museums creating new exhibitions and updating old exhibits." You can see images of Gary's work at www.staabstudios.com.

Monday: Paul Holland, Tuesday: Shawn Carolan, Wednesday: Samir Kaul
Business

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

Students will have the opportunity to learn from partners at each of three different venture capital firms about the structure and inner workings of venture capital, including how funding decisions are made within each firm. Simulating an actual partner meeting, students will hear real startups make their pitch for funding, conduct a Q&A, and then (with coaching) deliberate on whether to fund these companies. There will be time for Q&A with all presenters.

Paul Holland, general partner, Foundation Capital, invests in the IT, consumer, and digital energy sectors. Paul worked at — and helped take public — two software start-ups: Kana Communications, with Mark Gainey, and Pure Software, with Reed Hastings. He began his career in Silicon Valley at SRI International. Paul is the executive producer of Something Ventured, a critically acclaimed documentary on the origins of the venture capital industry, and is a past president of the Western Association of Venture Capital. www.foundationcapital.com

Shawn Carolan is a partner at Menlo Ventures, and focuses on IT investments in the consumer sector — with particular interest in major technological shifts that improve daily lives. Examples include current investments in Roku and Uber, as well as Siri, which sold to Apple in 2013. Shawn received his BS and MS in electrical engineering from the University of Illinois at Urbana-Champaign, where he graduated with highest honors. His interests in programming led to the Chicago startup scene with Open Port Technology where he wrote wire protocols in C++ in the days before JSON and obtained his first patent. He left to attend Stanford GSB and joined Menlo upon receiving his MBA in 2002. Shawn's learned countless left-brain lessons as a VC, software and electrical engineer, product manager, and management consultant, but none as impactful as the right-brain ones as a husband, father, and struggling founder as the former CEO of Handle, the world's first (and only) priority engine.

Samir Kaul is a founding general partner at Khosla Ventures, where he focuses on health, sustainability, food, and advanced technology investing. Samir holds a bachelor's degree in biology from the University of Michigan. He studied biochemistry, specifically gene regulation and expression, at the University of Maryland, and he also holds a master's degree in business administration from Harvard University. Samir is active in philanthropy and been a longstanding member of the leadership committee of the Tipping Point Community. He is also a UCSF Benioff Children's Hospital board member.

Robyn Allen
Computer Science

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45am

NOTE:
Students should
bring their laptops

What is a database? Why do different types of databases exist? Why do some people favor Structured Query Language (SQL) while others prefer NoSQL? What's the difference?

MongoDB is a so-called "NoSQL database" — a database you can use to store different formats of data in one place. In this course, we will learn the basics of MongoDB, practice using pymongo (the Python driver for MongoDB), and discuss some specific use cases which favor NoSQL (vs. use cases which favor SQL). Each student will write a Python program to impose structure on a MongoDB instance by checking data types and enforcing a student-selected schema (we'll define all these terms during class!). No prior experience necessary. Even though this class centers around MongoDB, the concepts apply to any NoSQL database and will help students broaden their understanding of software engineering.

Robyn Allen teaches engineering because many of today's grand challenges — in energy, healthcare, transportation, and other areas — require interdisciplinary engineering teams that have both world-class technical skills and world-class teamwork abilities. Robyn has mentored math teams, startup companies, and student engineers for 15 years. She holds a BS in aerospace engineering from MIT. Prior to teaching, Robyn worked as a systems engineer in hybrid car design, ultralight aircraft, mobile robotics, software design, and electric grid optimization. She has extensive experience in early-stage technology evaluation and prototyping from both an engineering and business perspective. Robyn has been honored by numerous organizations, including the International Achievement Summit, the Clinton Global Initiative, the MIT Energy Initiative, and the American Institute of Aeronautics and Astronautics.

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

NOTE:

Students must
bring reporter's
notebook, and
pen. Laptop,
Smart Phone to
take Photos and
Record Voice.

From dancing bears to machine gun shoots — yes, your instructor has written about both — journalism is about one thing: storytelling. While the methods and mediums may change, the basic elements of good reporting remain constant.

In this course you will learn what it takes to be a journalist in today's world, from reporting and writing to marketing. You will learn the techniques of interviewing and story development and then go out in the field and practice them.

Katya Cengel has written for the New York Times Magazine, Newsweek, and Marie Claire.

Her University of Nebraska Press book, Bluegrass Baseball: A Year in the Minor League Life, was a finalist for the 2013 Kentucky Literary Award. Potomac Books will release her second book, Exiled: From the Killing Fields of Cambodia to California and Back, in fall 2018. Cengel was an International Reporting Project fellow in 2015 and 2017 (Guatemala/ Mongolia).

She was an International Women's Media Foundation fellow in 2016 (Rwanda) and an International Center for Journalists fellow in 2014 (Africa). She teaches journalism at Cal Poly.

Dr. Ramzi Salti, Stanford University
Language

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

This course is intended for anyone interested in learning the Arabic alphabet as well as basic communication skills in Arabic. Instead of emphasizing the complex grammatical and syntactical structure of the language, this course will spotlight useful Arabic words, phrases, and sentences in a way that will equip students to communicate on a basic level with native Arabic speakers. The course will concentrate on using, pronouncing, and understanding Arabic expressions through interaction with fellow students and the instructor.

NOTE:

Please review the following website prior to the start of the first session:

<https://web.stanford.edu/dept/lc/arabic/alphabet/>

Ramzi Salti received a PhD in comparative literature with a primary emphasis on Arabic literature from UC Riverside. He received the Stanford Dean's Award for Excellence in Teaching in 2004, an Honorable Mention for the Associated Students of Stanford University Teacher of the Year Award in 2009, and a Knight Favorite Professor Award from the John S. Knight Fellowships Program in 2013. Dr. Salti has been a full-time lecturer in Arabic at Stanford University since 1998. He authors his own "Arabology" blog at www.arabology.org and hosts a weekly radio program titled "Arabology" that airs on KZSU Stanford 90.1 FM. Podcasts are available at <https://soundcloud.com/arabology/sets>.

Seminar
**Enneagram: Understanding How
Personality Types Impact
Cognition, Emotions, and Behavior**

Hala Kurdi Cozadd
Leadership/Business

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

We are complex individuals, but if you look closer there are systematic motivational patterns that ignite our strengths and trigger defenses. The Enneagram's theory says that humans are essentially different from each other, yet we share many particular personality traits. Whether in our personal lives or in organizations, we can sometimes be baffled by our own impulses, as well as the behavior of others. By understanding your type, you can get let go of habitual patterns and open up to your own inherent gifts.

The word enneagram refers to a nine-sided geometric shape, which resembles a pentagram and is numbered from one to nine. Each number signifies a different personality type, and each personality type is rooted in a different motivation and primal fear.

Discover these hidden patterns within your personality and explore courageous questions that can drive success in life: "What makes me feel authentic and come alive? What makes others behave the way they do? What's causing my roadblocks and how can I stop the patter and succeed?"

Learning the Enneagram increases self-understanding and helps build bridges with others and create empathy as well as and reduce unproductive conflict.

In this course, you will:

- Learn the nine personality type structures of the Enneagram method
- Discover your type-based strengths and defense patterns
- Gain effective communication skills and emotional intelligence

A native of Jordan, Hala received her master's in counseling psychology from the Institute of Transpersonal Psychology and started her career as a therapist working for several years with underprivileged youth and their families. Hala has spent 15 years in the fields of coaching and teaching. She believes that once we know and accept our inner strengths and gifts we have the power to deepen our lives and inspire the lives of those around us. That is what leadership is to her. Hala has taught undergraduate psychology courses and graduate cultural and diversity courses. She developed, created, and teaches the Courageous Leadership course at Stanford University. Hala also co-founded Head Heart Consulting, a leadership executive coaching and consulting company that works with teams to create their vision for authentic, inspiring leadership and culture.

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

Managing your personal finances consists of a series of small decisions that inform larger decisions that make a huge impact on your health, your wealth, your lifestyle, and even your happiness. In this intersession workshop, you'll learn concrete knowledge that will improve your financial literacy; engage in rigorous, real-world finance activities; and think through important decisions you'll need to make in high school, college, and the years that follow.

We will specifically focus on foundations of money management, budgeting during college, and using credit wisely.

Tim Ranzetta's saving habits started at seven, when a neighbor with a broken hip gave him a dog-walking job. The neighbor's recovery, which took almost a year, resulted in Tim's getting to know the bank tellers quite well (and accumulating a savings account balance of over \$300!). His recent entrepreneurial adventures have included driving a shredding truck, analyzing executive compensation packages for Fortune 500 companies, and helping families make better college financing decisions. After volunteering in 2010 to create and teach a personal finance program at Eastside College Prep in East Palo Alto, Tim saw firsthand the impact of an engaging and activity-based curriculum, which inspired him to start a new nonprofit, Next Gen Personal Finance.

www.nextgenpersonalfinance.org

The Cloud Is Mightier Than the Pencil: How the Pros Use Math to Solve Real-World Problems

Keith Devlin
Math

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

NOTE:
Students please
bring laptops to
session

Real-world math problems are usually messy, not well specified, and hardly ever admit a single “right” answer. But asking the right mathematical question and finding a good answer can have a huge impact. It’s how Walmart, Amazon, UPS, United Airlines, the Oakland A’s, and many other organizations became and/or remain competitive. How do mathematicians today go about that kind of work? [Hint: They hardly ever grab a pencil and “do the math.” Nor will we, as we take on some of today’s most important math problems.]

Dr. Keith Devlin, mathematician, is a co-founder and director of Stanford University’s H-STAR institute and a co-founder of the Stanford mediaX research network. He is a fellow of the American Association for the Advancement of Science, fellow of the American Mathematical Society, and a World Economic Forum fellow.

His current research focuses on the use of different media to teach and communicate mathematics to diverse audiences. In this connection, he is a co-founder and president of an educational technology company, BrainQuake, that creates mathematics-learning video games. Dr. Devlin has written 33 books and over 80 published research articles.

AcroSports, Johnny Bradford
Performance/Fitness

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am to
12:30 pm

NOTE:

9:00 Arrival at
AcroSports in San
Francisco.

Depart at noon back
to BM.

All students are
required to wear
appropriate athletic
clothing. Nobody with
a history of fainting.

Any student assigned
to this seminar will not
be assigned to an
activity session on
these days as you
need the extra time
for transport. You will
be back in time for
lunch.

Explore the art of movement at AcroSports' circus gymnasium! Channel your inner ninja warrior as you climb, run, and navigate our parkour obstacle course. Go airborne on our aerial arts points through lyra, sling, tissu, or trapeze. Bounce, flip, and fly on our trampoline. Handstand, cartwheel, vault, and roll as you are introduced to tumbling and gymnastic skills. This energetic 3-day seminar will introduce you to a variety of movement modalities designed to increase coordination, flexibility, and strength.

Members of the extensively experienced AcroSports staff team will facilitate various workshops, each focusing on a different movement modality — gymnastics, parkour, and aerial arts.

The Acro staff have unique and varied backgrounds, ranging from competitive gymnastics to professional performance. The AcroSports team are passionate about sharing their love of movement and performance with students of all levels.

Christopher Krebs
Philosophy/History

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

Why read? Why read texts written hundreds, even thousands, of years ago in languages not spoken anymore? Because of their formal beauty; because they captured an ephemeral sentiment or formulated an idea for all time; because Western culture is not just built on them but with them. We owe to the Homeric poems the notion of an odyssey, to Aeschylus and his companions the "tragic," to Herodotus the idea of history as an investigation of the past, to Cicero the art of rhetoric, to Ovid countless tales and myths and parables (of Icarus, say, or Pygmalion), and to Thucydides and Tacitus realpolitik. In this seminar we will read and discuss sections of Homer's Iliad, Herodotus' Histories, and Vergil's Aeneid. We'll reflect on what it means to be human(e) in times of war; the notion of the hero (then and now); the characteristics of an honor/shame culture; the beginnings of "historical thinking," history as a discipline, and views of "the other"; and, lastly, questions of destiny, the darkness and cost of empire, and loss.

Christopher Krebs studied classics and philosophy in Berlin, Kiel, and Oxford and taught at Harvard before joining Stanford's Classics Department, where he regularly teaches a freshman seminar on Ancient Rhetoric and Its Contemporary Relevance and a humanities core class on Great Books, Big Ideas from Antiquity. He is the author of A Most Dangerous Book: Tacitus's Germania from the Roman Empire to the Third Reich, which received the 2012 Christian Gauss Award, and, most recently, The Cambridge Companion to the Writings of Julius Caesar. He enjoys writing for wider audiences and has published reviews and essays in the Wall Street Journal, the Times Literary Supplement, the London Review of Books, and others.

Erika Schillinger and Monika Schoenhoff
Science/Cooking

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

NOTE:

This is a double morning seminar; if you choose this seminar you will be automatically enrolled in both weeks' seminars in addition to 2 days of activity sessions on Friday, Jan 4, and Monday, Jan 7. However, you will still select options in all time slots in case you are not able to get into this seminar.

Have you ever wondered why eggs solidify and turn white when you cook them, or why green beans turn even greener when you steam them? Why does chocolate taste so good? Explore the world of food science in this unique minicourse! Discover and learn about food chemistry, sensory science, and cooking through hands-on experiments, demonstrations, discussions with expert speakers, and exciting/tasty field trips!

This class meets each seminar morning session for both Week 1 and Week 2, plus it will extend in to the Activity Session Friday, January 4, and Monday, January 7, so we can go on two offsite mini-adventures.

Monika Schoenhoff, PhD, has worked for a number of years in the pharmaceutical industry as a pharmacokinetics/pharmacodynamics scientist (Genentech and small start-ups). For the last ten-plus years she followed her passion for science by bringing it to the classroom. She is honored and excited to be teaching the "Science of Food" course for Nueva again. She believes combining equal parts of passion for science, cooking, baking, and education is the perfect recipe.

Erika Schillinger, MD, is a clinical associate professor of medicine at Stanford. She is the Predoctoral Director in Family Medicine and has helped develop Stanford's clinical skills and doctoring curriculum. Her focus is on bedside manner, professionalism, and patient-centered care. In her work as an educator, she strives for an integrative, collaborative, innovative approach. She is grateful to be given the opportunity to weave together three passions — science, teaching, and food — in the service of a school she is coming to love.

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

In this course you will learn different techniques that actors use to effectively learn a dialect that is not their own. You will learn about the international phonetic alphabet and discover how vocal placement, pitch range, musicality, culture, geographic location, socioeconomic status, and education all play vital roles in shaping one's own dialect.

Albert Rubio is an actor, director, and teaching artist, currently residing in San Francisco. Albert has taught Shakespeare, acting, voice, and dialects at A.C.T.'s renowned Young Conservatory and has designed and taught in weeklong summer intensives for Ronald Reagan High School's summer acting camp (San Antonio, TX). Regionally, Albert has performed at A.C.T. and Summer Rep Theatre Festival (SRT), and he was an Acting Apprentice for the Great River Shakespeare Festival (GRSF). Albert holds an MFA in acting from the American Conservatory Theater (A.C.T.), and he has his BFA in theatre performance from the University of Evansville in Evansville, IN.

WEEK TWO
Afternoon Seminars

Debbie Kitani
Art

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

Learn how to knit! This class is designed for beginners who want to be able to knit a project from start to finish. In this knitting class, students will create an infinity scarf by learning how to cast on, knit, purl, and cast off as well as important techniques of backing out of your work. In addition, knitting has a language all its own and some of this will be taught so the students can confidently buy their own yarn and read simple patterns. Useful handouts will be provided. Time will be given to practice and students will be able to take their work home for the evening. No experience necessary to take this class. Supplies will be included.

Debbie Kitani is a wife, mother, entrepreneur, and knitter. She has a bachelor's degree in electrical engineering and did various jobs in chip design and engineering software before starting her own company.

She sold her software and services company in 2001 and worked for that company for 7 years. After selling her company she decided to learn how to knit and has been passionate about it since. The process of knitting is what intrigues her the most and she finds love of challenge with each new technique and different types of yarn she uses. Debbie has volunteered and taught knitting for elementary school children, auction knitting classes, seniors at her church, and a lunchtime knitting club at her husband's company. She also operates an evening weekly knitting group that has met for the last 11 years.

"I love knitting — it's social, creative, therapeutic, process-orientated, mathematical and just plain fun."

Seminar
Metal Working: Jewelry-
Making Basics — Sawing,
Filing, and Piercing

Deb Jemmott, Artist and Gil Jemmott, Mechanical Engineer
Art/Engineering

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

This class is designed to teach you the core techniques of jewelry making. You will learn how to be proficient using a jeweler's saw and file with accuracy. Working on a traditional bench pin, you will create intricate designs on sheet metal. Instruction will include proper filing techniques, the steps of sanding, burnishing, and polishing. Whether working on a finished piece of jewelry or other metal object, the skills you learn in this class can help you with many I-Lab projects. This course will cover the essentials of fabrication:

- soldering
- filing, sanding, and finishing
- flex shaft techniques
- basic wire working
- texturing
- forming techniques for shaping and sizing pendants, cuffs, and bangles

With a focus on design, technique, and craftsmanship, create a cuff bracelet, a pendant, earrings, or a bookmark (or other item of your choosing), and learn the basics of how to lay out, drill, pierce, file, form, and polish the metal. Using hammers, stamps, and other hand tools, you can add texture to the piece. Patinas can be applied to enhance the texture and show off your new creations!

Deb Jemmott is a practicing jeweler, metalsmith, and instructor. She received her BFA from the University of Houston and her MA from San Diego State University — both in art, specializing in jewelry making and metalsmithing. She has taught jewelry making for over 40 years and especially loves spending the day in her studio creating wonderful things. Gil Jemmott is a mechanical engineer and graduated from University of California, San Diego, with degrees in applied mechanics and psychology. He has worked on the Hubble Space Telescope, developed biomedical devices, and designed and built tools for jewelry manufacturing.

Gary Staab
Art/Science

Week 2
Morning

January 7, 8, 9
8:45 am to 10:45 am

Have you ever wondered how the models you see in museums are made? Working with clay you will create your own small-scale mammoth sculpture. The course blends science and art, working with a 3-D print of fossil bones. We will compare the anatomy of many living and extinct animals as we travel back into deep time to recreate a mammoth.

NOTE:

You may notice that this seminar is offered in the afternoon as well. You may sign up for both, but will only be assigned to one.

Please dress in clothing you don't mind getting dirty.

Gary Staab produces natural history and prehistoric life models for museums, publishing, and film. Gary has a degree in art/biology and interned at the Smithsonian Institution and the British Museum of Natural History. Staab's work and eclectic studio demonstrate a flair and passion for natural forms both past and present. Gary's sculptures embellish the halls of the Smithsonian, the British Museum of Natural History, the American Museum of Natural History, the BBC, and many others. His work has also been featured by the Discovery Channel, National Geographic magazine, and Dorling Kindersley Publishers. He has been the recipient four times of the prestigious John Lanzendorf Paleo art award for sculpture, presented by the Society of Vertebrate Paleontology.

Gary has worked the last 19 years as a freelance sculptor for such institutions as the National Geographic Society, the Smithsonian's National Museum of Natural History, the Carnegie Museum of Natural History, and the Miami Science Museum, among many others. "It is an amazing privilege to be a part of the production of models for museums. It takes hours and hours of research and consultation with scientists before I can even begin to think about making a sculpture. It's a job that continues to hold much fascination for me as it allows me to read and research, sculpt and paint, and interact with scientists doing exciting work in the field of paleontology/archeology. New finds are being made every year, so there are inevitably new discoveries to restore and hopefully there will always be museums creating new exhibitions and updating old exhibits." You can see images of Gary's work at www.staabstudios.com.

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

Have you ever wondered what “open source” software is or how it gets built? Have you ever wanted to know what the command line can do on your laptop? In this seminar, we will take a tour through the steps required to contribute to open source software (“open source” simply means the source code is published on the internet and can be viewed by anyone). Rather than focusing on the code itself, we will explore how to copy the code (using a tool called git), make a small modification, and stage a new version of the code.

NOTE:
Students should
bring their laptops

We will review the following major ideas:

- 1) the basics of the command line (aka “the shell”)
- 2) how to navigate in the shell
- 3) how to fork and clone a github repo
- 4) how to use virtualenv and pip
- 5) the difference between git commit and git push
- 6) basic branching and merging

No prior experience necessary. Students should create a github account before Intersession starts (this can be done in less than five minutes; Jen Selby is available to help!).

Robyn Allen teaches engineering because many of today's grand challenges — in energy, healthcare, transportation, and other areas — require interdisciplinary engineering teams that have both world-class technical skills and world-class teamwork abilities. Robyn has mentored math teams, startup companies, and student engineers for 15 years. She holds a BS in aerospace engineering from MIT. Prior to teaching, Robyn worked as a systems engineer in hybrid car design, ultralight aircraft, mobile robotics, software design, and electric grid optimization. She has extensive experience in early-stage technology evaluation and prototyping from both an engineering and business perspective. Robyn has been honored by numerous organizations, including the International Achievement Summit, the Clinton Global Initiative, the MIT Energy Initiative, and the American Institute of Aeronautics and Astronautics.

**A Little Yumminess, Simran Singh and Stacie Dong
Cooking**

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

This hands-on seminar will help you build skills that can serve you for a lifetime of cooking. Whether your goal is to get ready for college (and know how to make quick and healthful meals for yourself on the cheap) or to feed your friends and family, it all starts with gaining confidence with the basics. By the end of this seminar you will have the knowledge and experience to cook a set of easy, versatile dishes as well as greater confidence to tackle other recipes that catch your eye. This seminar will cover basics, but even more-experienced cooks can benefit and take their cooking to the next level.

Session 1 — Use a prepared rotisserie chicken as a starting point for creating a variety of dishes, and include a knife skills primer along the way.

Session 2 — Explore techniques for making soups, stews, and braises using the slow cooker, rice cooker, and Instant Pot, and also learn to make balanced and well-composed salads.

Session 3 — Get a pasta primer where we will explore not only how to cook pasta perfectly, but how to make simple, classic sauces that will build your "pasta night" repertoire.

Simran Singh and Stacie Dong love to teach kids of all ages to cook foods from around the world. They also write about food and share recipes on their blog, A Little Yumminess (www.alittleyum.com) as well as for the San Jose Mercury News ("Fast & Furious Weeknight Cooking"). In addition to teaching youth classes throughout the year and their popular "A Little Yumminess" summer camp, they teach classes for adults at 18 Reasons in San Francisco, the Cooking School at Cavallo Point in Sausalito, and Ramekins Culinary School in Sonoma.

Seminar
Upcycling: Making Your Own
Handbags or Backpacks with
Recycled Materials

Jenn Jory
Fashion/Sustainability

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

This hands-on seminar will teach you how to create your own bag or backpack from upcycled materials. We will look at creative resources in the Bay Area that provide materials for upcycling and we will learn how to creatively construct our own one-of-a-kind piece. We will explore why upcycling will be crucial for our future and find ways you can participate in this growing field. You will also learn about the advantages and challenges of minimizing your global footprint and gain inspiration to repurpose and create from your own resources.

Upcycling and rescuing fabric from the landfill has been a passion of Ecogirl handbag founder Jennifer Jory. She began collecting and reusing high-end designer upholstery samples and remnants nearly 10 years ago and her bags have been featured on the television program Eye on the Bay, in eco-conscious blogs, and in numerous events throughout California.

When she learned that nearly 10 tons of fabric was destined for local landfills each year, Jennifer knew turning beautiful upholstery and vintage fabrics into functional bags was an easy solution for the environment. She works closely with a local San Francisco couple who are expert craftsmen. Sourcing and manufacturing locally lessens the bags' global footprint and makes them truly SF made.

Jennifer's primary passion is rescuing designer fabric remnants from upholstery manufacturers and workroom floors, material that otherwise was destined for the landfill.

Tony Vella
Film/Theater

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

If you ever thought you wanted to be a stunt performer and want to know more about the industry, this hands-on, fully physical seminar with Tony Vella is for you. This seminar will cover the basic information on fighting, falling, and take-down techniques required as entry-level knowledge for the industry.

Additionally, time will be given to explain what it is like to be a stunt performer in film and television and what you need to know to begin a career.

NOTE:

Due to the nature of this course, you must not have any physical restrictions and/or limitations, and you must be in good physical health.

Tony Vella, a San Francisco native, is an experienced stuntman, stunt coordinator, and actor trained in both stunts and acting with more than 25 years of experience both on camera and behind the scenes. As an actors' stunt coordinator, he understands the difficulties in choreographing dialogue and physical actions required by actors when performing their own stunts. He founded the organization B.A.S. (Bay Area Stunts), which offers full-service action coordinating, including stunts, precision driving, and specialty rigging (AKA wire work).

His personal work in both stunt coordinating and on-camera stunts includes a multitude of commercials, industrial spots, television, feature films, and "live" stunt shows.

www.bayareastunts.com

Seminar
Minoans, Mycenaeans, and
Etruscans: Cornerstones of
Greece and Rome

Patrick Hunt
History

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

So many love the memorable gods, heroes, and monsters of Greek and Roman mythology. But few know how old the stories really are, reaching back to prehistory and forgotten bards. The Minoan and Mycenaean ancestors of the Greeks and Etruscan ancestors of the Romans show the origins of these timeless fables about minotaurs and labyrinths, the Mt. Ida Cave of Zeus on Crete, the gold of Mycenae and Trojan War causes, oracles at Delphi and Cumae, famous prophecies, the wanderings of Aeneas, and the underworld ghosts.

*Award-winning archaeologist, author, and National Geographic grantee Patrick Hunt earned his PhD in archaeology from the Institute of Archaeology, University College London, and has taught at Stanford University for 25 years. Patrick directed the Stanford Alpine Archaeology Project from 1994 to 2012, and has continued project-related fieldwork in the region in the years since. His Alps research has been sponsored by the National Geographic Society's Expeditions Council. Patrick frequently lectures for National Geographic and others on Hannibal and the European mummy nicknamed Otzi the Iceman. He is also a national lecturer for the Archaeological Institute of America as well as an elected fellow of the Royal Geographical Society. He is the author of 18 published books including the Penguin best-seller *Ten Discoveries That Rewrote History* and another book titled *Alpine Archaeology*. He has also published more than 100 articles, including more than a dozen for the *Encyclopedia Britannica*, mostly on Hannibal. Patrick has been featured in many National Geographic and NOVA documentaries, and has consulted for BBC and been featured in BBC radio interviews. He has a lifelong love of the Alps, having lived there for several months every year since 1994 — when not in the classroom or on the lecture circuit.*

Carol Knowles
Math/Critical Thinking

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

Come try your hand at what many consider the “world’s greatest game,” a combination of probability and critical thinking. Perhaps the best one-sentence description of how bridge players feel about their game is playwright George S. Kaufman’s parody of a famous remark: “I’d rather be South than be President.” Bridge, as a mind sport, provides a lifetime of benefits:

- **FASCINATION:** “Bridge is such a sensational game that I wouldn’t mind being in jail if I had three cellmates who were decent players and who were willing to keep the game going 24 hours a day.” Warren Buffett
- **MENTAL CHALLENGE:** “Many games provide fun, but bridge grips you. It exercises your mind.” Omar Sharif
- **MULTIPLICITY OF REWARDS:** “Bridge is simultaneously fascinating and fun. In pursuit of winning you meet the elusiveness of perfection and the perverseness of chance. In preparation, you have the opportunity to develop and refine your system as linguistic science.” Michael Neuschatz

Instructors will be available to help all levels from beginner to advanced!

Carol Knowles is an experienced and accredited ACBL (American Contract Bridge League) teacher, director, and life master. As a founder of PYB (Peninsula Youth Bridge) she loves to share her passion for the mind sport of bridge with students.

Gary Antonick
Math

Week 2
Afternoon

Want to go beyond the basics of math? Join us as we explore the shortcuts, visualizations, analogies, and hacks used by the world's top mathematicians.

January 7, 8, 9
1:15 pm to 3:15 pm

Gary Antonick teaches at Stanford, at Google, and around the globe in China, India, Colombia, and Chile. He is also the writer of the New York Times column Numberplay, in which professional mathematicians solve problems alongside New York Times readers. Gary studied engineering at the University of Michigan and has an MBA from Harvard Business School. You can see some of his work at <https://www.nytimes.com/column/numberplay>

Digital Media Academy, Damien Verrett
Music/Technology

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

If you've ever wondered what it takes to be a music producer, then this is the course for you! We will cover the basics of sampling, synthesis, recording, and sound design. We will use the same gear and software as the pros as we shed light on the secrets of genres including, but not limited to, EDM, hip hop, and dubstep!

By the end of the course you'll be comfortable making your own mashups and more!

NOTE:

Students should provide their own headphones (preferably headphones that provide full ear coverage — that is, not earbuds)

Damien Verrett has been recording and performing as a professional musician for the last 8 years and teaching electronic music composition for the last 3.

In his lessons, he covers the basics of genres ranging from hip hop to EDM using Ableton Live, the industry standard in electronic music software. Verrett is passionate about inspiring students to find and develop a personal voice and empowering them to take creative risks using unfamiliar materials.

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

Senior professional marketing specialist with Canon, Jim Rose will begin this hands-on session with basic DSLR instruction, emphasizing macro photography to familiarize the students with basic techniques. On day 2, we will break into groups of two for shooting at the macro stations, with one student shooting and the other assisting with the lighting and prop positioning. Photographer/assistant and the macro stations will rotate, so each student gets images from all the stations. We will wrap up on day 3 by reviewing images from day 2, along with additional shooting at the macro stations, final review, and loading of images onto flash drives! Snap!

Jim is a senior professional market specialist for Canon USA. During his career at Canon he has worked at their offices in San Francisco and San Jose. He also has had the privilege of working at Canon USA headquarters in New York and Canon Inc. headquarters in Japan. Some of the events Jim has covered for Canon include Superbowls, Olympic Games, Democratic and Republican National Conventions, and Formula One auto races in Japan and the United States. He has conducted workshops in Yosemite, Yellowstone, Death Valley, and Hawai'i Volcanoes National Parks.

Steve Jarding
Politics

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

Have you wondered about how you can make the world a better place? Have you thought about how our elected officials make the decisions that govern our daily lives? What might happen if you were in their places? Political strategist Steve Jarding will inspire you to imagine yourself as a state or national leader making positive change. Let Steve activate your dreams to bring you a little closer to building the world you want to see.

Professor Steve Jarding will introduce you to the core concepts of becoming a strong public leader, including the communication strategies that win friends, voting blocs, and sources of funding. You'll learn persuasion techniques that can help change minds for issues you care about. These are the skills you'll lean on throughout your life as a change-maker, not only for public office. Learn them now and make positive change look easy!

Steve Jarding, lecturer in public policy, is an American and international educator and political strategist. Over a 40-year career, Steve has managed numerous statewide and national campaigns for an impressive list of US Senate and gubernatorial candidates. As the founder and CEO of SJB Strategies International, Steve advises candidates and causes and offers communication training to presidents and prime ministers, business leaders, and public advocates around the world. He has lectured or consulted in over 25 countries and, in November 2012, the Financial Times of London profiled his cutting-edge methods of teaching campaign management. At the Harvard Kennedy School of Government, Steve's course on campaign management has twice been nominated by alumni for the "Most Influential Course Award," and in 2016 the student body chose Jarding Teacher of the Year.

www.hks.harvard.edu/faculty/steven-jarding

Conservation Ambassadors, David and Lisa Jackson
Wildlife/Environment

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

NOTE:
Live animals are
part of this session.

Do you want to learn how to train your teachers, your mom, and your dog? This seminar is all about learning how to understand and modify behavior. Animal behavior has fascinated humans throughout history. David and Lisa Jackson have trained everything from tigers to killer whales — and even their own parents — for over 35 years. Let them share their knowledge with you so you can create better relationships, happier pets, and less-annoying friends. This hands-on interactive experience will give you insight into how understanding behavior modification can positively change the world around you.

David's passion for wildlife and desire to educate and inspire conservation worldwide is what led him to establish Conservation Ambassadors 25 years ago. His passion started in high school with jobs in animal care and training dogs and parrots. His unique experiences inspired him to pursue a career in the animal care field, and he went to work in the zoological medicine department at UC Davis Veterinary Teaching Hospital. His dedication and interest in wildlife and wild places led him to attend Moorpark College in California, a facility certified by the Association of Zoos and Aquariums, where he earned a degree in exotic animal training and zoological management.

David has traveled around the world to assist with wildlife conservation efforts. Over his career, he has received numerous awards for animal welfare, zoo management, education, and training.

Conservation Ambassadors' mission is giving a worldwide voice to wildlife by providing a permanent, loving home for displaced, abused, abandoned, or permanently injured wild and exotic animals. Through our "Zoo to You" outreach program, we share these animal ambassadors with school children and learners of all ages to educate them about conservation, connect them to the wild world, and inspire them to protect the planet.

www.conservationambassadors.org

Katya Cengel
Writing

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

NOTE:
Students must
bring reporter's
notebook, and
pen. Laptop,
Smart Phone to
take Photos and
Record Voice.

Just because nonfiction is true doesn't mean it isn't crafted. The best nonfiction books have characters you fall for and scenes that take you to another place, the same way fiction does. They can be on the lighter side — covering life in baseball's minor leagues — or heavy, looking at refugees and deportation policies. They just have to be true and captivating.

This course will introduce you to the techniques you need to create the scenes and develop the characters that will turn your true tale into a page-turner.

Katya Cengel has written for the New York Times Magazine, Newsweek, and Marie Claire.

Her University of Nebraska Press book, Bluegrass Baseball: A Year in the Minor League Life, was a finalist for the 2013 Kentucky Literary Award. Potomac Books will release her second book, Exiled: From the Killing Fields of Cambodia to California and Back, in fall 2018. Cengel was an International Reporting Project fellow in 2015 and 2017 (Guatemala/Mongolia).

She was an International Women's Media Foundation fellow in 2016 (Rwanda) and an International Center for Journalists fellow in 2014 (Africa). She teaches journalism at Cal Poly.

Terisa Siagatonu
Writing/Performance/Social Justice

Week 2
Afternoon

January 7, 8, 9
1:15 pm to 3:15 pm

Poetry is not a luxury. It is a vital necessity of our existence. It forms the quality of the light within which we predicate our hopes and dreams toward survival and change, first made into language, then into idea, then into more tangible action." — Audre Lorde

Led by nationally ranked spoken word poet and arts educator Terisa Siagatonu (as seen on Button Poetry and All Def Poetry), this session is for poetry lovers, poetry haters, and anyone who has a story and a voice to tell it with. This 3-day session brings together writing, performance, courage, willingness, truth, and you and asks the question: if you don't tell your own story, who will?

Terisa Siagatonu is an award-winning poet, arts educator, and community organizer born and rooted in the San Francisco Bay Area. Her presence in the spoken word world as a queer Samoan womyn and activist has granted her opportunities to perform in places ranging from the White House to the UN Conference on Climate Change in Paris, France. The most memorable moment in her career was receiving President Obama's Champion of Change Award (2012) for her activism as a spoken word poet/organizer in her Pacific Islander community. Terisa's writing blends the personal with the political in a way that calls for healing, courage, justice, and truth.

Her work has been extensively featured in the media. Terisa performs, competes, and coaches spoken word poetry nationwide, having placed 2nd in the nation twice on two national poetry slam teams. In May 2016, Terisa published her first collection of poems in her chapbook "Remember We Have Choir Practice" (available for purchase at www.terisasiagatonu.com).

Off stage, Terisa is involved in community organizing work revolving around issues such as youth advocacy, educational attainment, Pacific Islander/Indigenous rights, LGBTQQA rights, gender-based violence, and other causes she is passionate about. Terisa also works as a therapist in San Francisco and aims to merge art and therapy in her career as a therapist/educator.

WEEK TWO

Intensives

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:30 am departure
from Nueva BM

NOTE:
9:30 am arrival at
studio.

Depart studio at
2:15 pm.

Student to bring
their lunch.

Immerse yourself in the magic of glass. This 3-day intensive is a totally hands-on experience that allows you to learn the basics of traditional free-form glass blowing. We'll touch on safety in the hot shop, learning which tool does what, some key glassblowing terms, and how to work molten glass into a cool piece of art or something functional like a cup. You'll work in teams to assist each other in creating your artwork while under the careful direction of masters. The goal for each student is to make perfect bubbles, paperweights, flowers, and a functional vessel, and to come away with the skills necessary to take glassblowing to the next level.

Treg Silkwood knew that he wanted to work with his hands. In 1996 he received his BFA from Alfred University, graduating as the top student of the Art and Design School. In 1995, he spent a semester studying at the Academy of Applied Arts in Prague. Treg spent the next five years working as a production glassblower, recreating early American glass at the Henry Ford Museum & Greenfield Village, where he deepened his knowledge and appreciation for the history and the craft of working with glass. After pursuing a year of graduate studies with Jack Wax at Illinois State University, Treg was honored to become one of the first gaffers for the Hot Glass Road Show of the Corning Museum of Glass.

Treg moved to the Bay Area in 2002 and, with Candace Martin, formed Silkwood Glass, a custom, handcrafted glass company whose innovative designs are largely inspired by the natural world. In 2008, Treg had his first solo show at the Steuben Flagship Store on Madison Avenue in New York City and was honored to be one of only two artists invited to take part in the "Steuben Selections Series," which showcases some of the world's foremost artists in glass. Treg's work has been exhibited internationally and showcased in many prestigious galleries. He has become widely recognized as a premier California marine glass artist.

Treg and Candace's work can be seen at www.SilkwoodGlass.com.

**Lizette Marie Bruckstein, Lizette Marie Interior Design
Art/Interior Design/Business**

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

Residential interior design is truly the art of problem solving. We curate interiors that represent our clients' personalities, passions, and desires, we solve functionality obstacles to make day-to-day living more practical, and we build sanctuaries. Yes, there is a fair amount of creativity and artistic approach to interior design, but the heart and soul of a successful interior designer is much more than that. In this 3-day intensive we will dive deep and explore what it really means to be an interior designer through group-based charrettes, followed by offsite visits to client job sites and a tour of the San Francisco Design Center with interior designer Lizette Marie Bruckstein.

Lizette Marie Bruckstein is the young, passionate designer who burst into the San Francisco interior design scene less than fifteen years ago. Forgoing the traditional route of apprenticing in a prestigious design firm, Lizette founded her high-end residential design firm, Lizette Marie Interior Design, right out of design school. In the years since, Lizette has evolved into a well-respected designer with a loyal list of clients reaching from San Francisco to the greater Bay Area. Lizette's philosophy is simple: to create custom spaces for her clients that are a reflection of the client's best self. From provocative to playful, colorful to serenely neutral, Lizette's designs are expertly crafted as she plays up the use of scale, texture, and pattern. A big proponent of custom design, incorporating it into floor coverings and case goods, Lizette strives to give each space she creates its own signature focal point. Her use of color and geometrics in large-scale projects has also garnered attention from local and national shelter magazines, such as San Francisco Chronicle's Stylemakers, Silicon Valley magazine, and Gentry magazine.

When not designing homes, Lizette is designing her new fine fragrance line of candles, Gilded Decay by LIZETTE MARIE. Her recent project of note is a full-scale renovation of a Silicon Valley (Los Gatos) 9,000-square-foot home that is slated for national publication later this year. Lizette's portfolio can be viewed online at www.lminteriordesign.com.

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

This workshop will introduce students to a contemporary approach to the traditional technique of gilding (the process of applying metal leaf to a surface). Participants will learn the process of preparing different material surfaces (paper, fabric, wood) so that metal leaf can be applied and incorporated into visual compositions. This technique can be used by students of all skill levels.

NOTE:
9:30 arrival at Kala
Art Institute.

Depart by 2:00
pm.

Students bring
lunch.

Solange Roberdeau is a visual artist whose own work explores perception and seeking out the creative potential in our immediate environments. She works primarily in paper, sumi ink, and with contemporary gilding in her own studio practice. She received a BFA in printmaking from RISD in 2005 and an MFA from MICA in 2012. She has taught and exhibited nationally and internationally, and has been the recipient of several artists grants, including from the Josef and Annie Albers Foundation, CT, and Helene Wurlitzer Foundation, NM.

KALA Arts, Tomoko Murakami
Art

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

NOTE:
9:30 arrival at Kala
Art Institute.

Depart by 2:00
pm.

Students bring
lunch.

Mokuhanga 1 introduces a traditional Japanese woodblock printing process, the ukiyo-e technique. Participants will learn to carve the woodblock, use Japanese carving tools, and print with water-based ink on Japanese paper. Learn to carve your own woodblocks and create a small edition of multicolor prints! All levels welcome.

Tomoko Murakami is a multidisciplinary artist who explores the medium of printmaking as a multidimensional art form, bringing attention to new possibilities in the mixed media art world. She received her MFA in printmaking from San Francisco Art Institute and MA in transformative arts from John F. Kennedy University. She is a recipient of the 1992 Kala Art Institute Fellowship and 2008 Susan Boulet Fellowship Award. Her work has been presented by Gloria Delson Fine Arts in Los Angeles, Gallery on the Rim in San Francisco, Tomura Gallery in Tokyo, Richmond Art Center, and Sebastopol Center for the Arts. She currently teaches at CCA and NIAD Art Center. <http://www.mayu-art.com>

KALA Arts, Yael Levy
Art

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

This class will take students through the process of composing their own visual narrative and turning it into a printed “mini-zine.” Students will be introduced to fundamental principles of visual storytelling, layout, and cover design, while also learning the hands-on processes and techniques of screenprinting and paper folding. Make your own limited edition creations in the spirit of small-run independent publications and art books. All levels welcome.

NOTE:
9:30 arrival at Kala
Art Institute.

Depart by 2:00
pm.

Students bring
lunch.

Leah Yael Levy is a visual artist storyteller and teacher based in Oakland, CA. Born and raised in Israel, she first moved to New York City in 2002 to attend the Art Students League of New York, and later gained a BFA in illustration from Parsons the New School for Design (2011). She moved to California to pursue an MFA in comics at California College of the Arts (2017). She is a teaching artist in Kala's Artists in Schools program, Richmond Art Center, and JCC of the East Bay. Yael was an artist in residence at Kala.

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:30 am departure
from Nueva BM

NOTE:

9:30 am arrival at
Fred's Workshop.
Depart at 2:15
pm. Students
bring lunch.
Students must
wear closed-toed
shoes, long hair
tied back, no long
necklaces,
scarves, or loose
sleeves. Waiver
required.

Come join us in building survival shelters for the homeless. There are approximately 6,500 homeless men, women, and children in Santa Clara County alone. Some of these people hold jobs but still cannot afford to pay the exorbitant rents of Silicon Valley. These people live under bridges, under plastic sheets, and on park benches. During this Intensive we will be building one portable shelter, for one person. It is a long way from a solution to the problem, but it will provide one person with a dry, warm, safe place to stay. Some Bay Area cities are working on shelter for the homeless, but as housing prices continue to soar the problem is only getting worse. While I don't have all of the answers, I do believe that we could at least provide shelters to keep the homeless out of the elements, out of the rain and cold. This is one of a number of shelters that I hope to provide over time. I am looking for 10 students willing to work with me to create such a shelter and to become a small part of the movement to assist individuals in need. The construction will take place at my home workshop in San Jose. You will be guided by three experienced woodworkers. We hope you will join us. A liability release form is required.

Fred Sotcher is former president of a number of woodworking clubs in the Bay Area and authored a number of articles in Fine Woodworking magazine and others. Fred has been teaching woodworking for over 20 years at the John Montgomery School, the Girls Middle School, Creekside Academy and Nueva Upper School, as well as private classes at his home shop. His joy in life is working with young people to help them develop their creative talents.

Design X, Robert Hurlbut Art

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

In this one-of-a-kind program for this age group, students will take a step back to understand how beautiful fabrics and textiles are created in the fashion and textile industries. It's a fun, hands-on class where students will learn to change the surfaces of fabrics by exploring various forms of fabric printing, dyeing and painting techniques. Students will use these techniques to create original textiles/fabrics or dye/print on pre-made products with their very own motifs and patterns, exploring principles of repetition, pattern, scale, and geometry. In addition, time permitting, they will use some of the finished textiles to make simple home accessories like pillow covers. Our budding textile designers will not only leave the class with products surface-designed/ made by them, but also with a sense of appreciation for textile art forms from around the world. They will study the origins of textiles from far and near, understanding their history, context, and evolution. The class is designed to build upon the skills gradually — students will first prototype on fabric samples before moving on to actual products. For more information about our organization, and to view the gallery, please visit our website, www.designX.company.

Robert Hurlbut is the neon-loving mastermind behind the aptly-named clothing line "Tropical Rob," a surreal, genderfluid ("sometimes I wear my slip dresses out") fashion line that draws inspiration from cultural icons as disparate as the Spice Girls and Dr. Seuss. Already counting Baddie Winkle and some of downtown NYC's coolest kids as huge fans, Hurlbut is bringing an in-your-face splash of much-needed color to the streets of New York via his playful illustrated prints, floaty silhouettes, and 90s-kid cultural references. A product of the textile design program of the Rhode Island School of Design, Rob is excited to spend a few days with the students at Nueva to share his passion for printing and dyeing, teaching DesignX's curriculum in textile design.

The Crucible
Engineering

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

Use the simplest of electronic and mechanical components to make things spin, twitch, jump, bend, and wiggle. This class covers switches, buttons, relays, motors, servos, and solenoids. We will also explore some basic analog and digital control circuits, AC/DC current, and safety.

The techniques taught in this class can be applied to almost any kind of project.

NOTE:
9:30 arrival at The
Crucible.

Depart at 2:00
pm.

Bring your lunch.

Wear warm,
comfortable,
athletic clothing
and shoes.

The Crucible is a 501(c)(3) nonprofit arts education organization that fosters a collaboration of arts, industry, and community. Through training in the fine and industrial arts, the Crucible promotes creative expression, reuse of materials, and innovative design, while serving as an accessible arts venue for the general public in the Bay Area. Known for one-of-a-kind industrial arts education programs, the Crucible is also highly regarded for its innovative performances.

www.thecrucible.org

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

NOTE:
9:30 arrival at The
Crucible.

Depart at 2:00
pm.

Bring your lunch.

Wear warm,
comfortable,
athletic clothing
and shoes.

Learn about materials, machine design, drafting, cutting feeds and speeds, tooling, and precision measurement, using the milling machine and lathe to fabricate simple projects. These machines are the cornerstones of a machine shop, producing with precision and accuracy, but among the most complicated tools to operate.

The goal of this class is to learn the capabilities and scope of these versatile machines.

The Crucible is a 501(c)(3) nonprofit arts education organization that fosters a collaboration of arts, industry, and community. Through training in the fine and industrial arts, the Crucible promotes creative expression, reuse of materials, and innovative design, while serving as an accessible arts venue for the general public in the Bay Area. Known for one-of-a-kind industrial arts education programs, the Crucible is also highly regarded for its innovative performances.

www.thecrucible.org

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

In this class, students will learn the science behind neon gases as they are taught how to bend glass tubes into illuminated sculptures.

Through the incorporation of hands-on demonstrations and individual sessions with expert instructors, you will gain mastery over this challenging medium and create an illuminated sculpture to be proud of.

NOTE:
9:30 arrival at The
Crucible.

Depart at 2:00
pm.

Bring your lunch.

Wear warm,
comfortable,
athletic clothing
and shoes.

The Crucible is a 501(c)(3) nonprofit arts education organization that fosters a collaboration of arts, industry, and community. Through training in the fine and industrial arts, the Crucible promotes creative expression, reuse of materials, and innovative design, while serving as an accessible arts venue for the general public in the Bay Area. Known for one-of-a-kind industrial arts education programs, the Crucible is also highly regarded for its innovative performances.

www.thecrucible.org

Digital Media Academy, Austin Broder
Film/Technology

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

Ever wanted to know how to fly? Shoot lightning and fire out of your fingertips? We are going to investigate some of the techniques and programs used in professional VFX creation. There are oodles of subtle and fantastic effects we will learn how to create so that you will be able to make your own amazing films once you go home!

Austin will be including a lot of valuable free assets — effects, footage, etc. — during this course.

Austin Broder is a 3-D art and animation instructor with nearly a decade of experience in education. He's had experience working at several animation studios and infuses his industry experience into his classes, helping students learn efficient and effective techniques and enabling them to create their own digital 3-D art and films.

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

NOTE:
Pre-Course
Reading
Requirement:

Climate Science
and Climate Risk:
A Primer by Dr.
Kerry A. Emanuel:
ftp://texmex.mit.edu/pub/emanuel/PAPERS/Climate_Primer.pdf

California is a highly progressive state regarding climate change, with ambitious renewable energy targets and vehicle emissions standards. Yet curbing emissions in the nation's most populous state remains a major challenge; meanwhile, destructive impacts mount. This field-based intensive will bring students face-to-face with the reality of climate change in coastal California. On each of our three days, we will depart campus to observe climate impacts, as well as meeting with decision-makers, innovators, and activists hard at work solving this complex crisis. We hope our students will come away with greater knowledge and passion with which to tackle the greatest environmental challenge of our time.

Zach Brown grew up surrounded by the wilderness of Southeast Alaska, instilling in him an abiding love of the natural world. Pursuing his PhD at Stanford University, Zach studied climate change, exploring how declining sea ice affects the marine biological communities of the polar regions. Completing his studies in spring 2014, Zach set off on a 2,300-mile solo trek, hiking and kayaking from Stanford campus to the Inian Islands, a remote archipelago in Alaska. He now works as founding director of Inian Islands Institute, a nonprofit field school dedicated to education, research, and environmental leadership in Southeast Alaska.

<http://inianislandsinstitute.org/>

Chaney Kwak
Writing

Week 2
Monday + Tuesday +
Wednesday

January 7, 8, 9
8:45 am to 3:15 pm

"One's destination is never a place," wrote Henry Miller, "but rather a new way of looking at things." When done right, travel writing doesn't romanticize "exotic" locales; rather, it changes the way we look at a place — be it a faraway country or your local strip mall.

In this intensive course, you will work with a professional travel journalist to challenge the way you write about places. You'll exercise your creative mind through in-class writing prompts and share your work in a supportive environment.

We will also take a trip together to practice our observation skills. With plenty of notes and inspiration, we'll return to the classroom to study dialog, character, and tension in order to elevate a mere I-saw-this-then-I-ate-this tale into a compelling narrative.

The great Jan Morris said it best when she called good travel writing "the alliance of knowledge and sensation, nature and intellect, sight and interpretation, instinct and logic." At the end of the week, you'll be well equipped to write about your journeys.

Chaney Kwak is a freelance writer who contributes to the New York Times, Travel + Leisure, Afar, and other publications. He has also penned travel guides and contributed to National Geographic books as well as a number of anthologies. A graduate of Brown University, he spent six years in Berlin, where he earned a graduate degree from Freie Universität and fell into travel writing. Since then he has received the Emerging Writer Award from the the Key West Literary Seminar and scholarships from the Bread Loaf Writers' Conference. Currently he lives in San Francisco and keeps bees in his backyard.

WEEK TWO

Activities

Simon Firth Art

Week 2
Monday

January 7
11:00 am to 12:30 pm

Make book art! Come turn individual pages from discarded books into something entirely new and wonderful.

Working with Simon Firth (Finley's dad), you'll have the chance to use pens, inks, pencils, and anything else you have at hand to transform how pieces of text both look and signify.

Simon Firth (Finley Firth's dad) is a professional communicator and amateur maker of everything from jewelry to tree houses. A former public television producer and commissioned playwright, he now makes a living writing for clients like HP, VMware, and Stanford University. Simon has a longstanding interest in the history and practice of art, and in developing new approaches to communication and education. He has taught intersessions at the Nueva Upper School and the Girls' Middle School in Palo Alto, covering topics that include process art, book art, environmental art, inspirational signage, and information display at a massive scale. Simon received a BA in philosophy and art history (minor) from University College, London, an MA in communications studies from City University, London, and an MSc in television, radio, and film from Syracuse University.

<https://simonfirth.wordpress.com/>

KALA Arts, HyeYoon Song
Art

Week 2
Monday

January 7
11:00 am to 12:30 pm

This class starts from observational drawing using objects and forms, bringing attention to making imaginary scenarios on paper. Exploring and identifying rendering, gesture, perspective study, and abstraction, students will work on multiple renditions through improvisational tools such as charcoal, graphite, and ink. Emphasis will be put on creating full composition drawings through the introduction of the formal properties of drawing.

HyeYoon Song is an interdisciplinary artist with a primary focus on printmaking, painting, and sculpture. She explores landscape, identity, and narrative in her work by exploring the vocabularies of print and the multiple in an unconventional and multidisciplinary context. HyeYoon obtained a BFA from the School of the Art Institute of Chicago and a MFA at the California College of the Arts. She has recently exhibited at Embark Gallery, Minnesota Street Projects, CCA, Acción Latina Gallery, Adobe Books, and more. HyeYoon has taught at various institutions like CCA, Berkeley Art Museum, Mission Cultural Center for Latino Arts, Youth Art Exchange, and Kala Art Institute.

Corporate Strategy: Harvard Business School Case Study, Reawakening the Magic: Bob Iger and the Walt Disney Company

Dickson Louie
Business

Week 2
Monday

January 7
11:00 am to 12:30 pm

NOTE:
Read Case Study:
"Reawakening the
Magic: Bob Iger
and the Walt
Disney Company."
Will be sent to you
once session is
assigned.

Pioneered by Harvard Business School faculty, the case method is a profound educational innovation that presents the greatest challenges confronting leading companies, nonprofits, and government organizations — complete with the constraints and incomplete information found in real business issues — and places the student in the role of the decision maker.

This case discussion focuses on Disney CEO Bob Iger and examines his strategies in rebooting the Walt Disney Company after taking over from Michael Eisner in 2005, with the acquisitions of Pixar Animation, Marvel Entertainment, and Lucasfilms. The goals of this case are:

- To analyze the strategies employed to turnaround a company
- To examine franchise management, branded entertainment, and distribution models in the media
- To understand technological change and global expansion within the media and entertainment industries

Dickson Louie is principal of Louie & Associates, providing strategic planning services. He teaches the "Business of the Media" MBA elective at UC Davis. Louie is CEO of Time Capsule Press, a book-publishing imprint that focuses on the creation of books from archival material. Louie has over 25 years of professional management experience within the news media industry, including at the LA Times, the San Jose Mercury News, and the San Francisco Chronicle. As a member of the corporate staff of Times Mirror, he oversaw the finances of its \$2 billion newspaper division. Louie was a research associate at the Harvard Business School, where he authored over 20 management case studies for the second-year MBA course. A certified public accountant, Louie received his BS in business administration from California State University, East Bay (with high honors), and his MBA from the University of Chicago. He completed the Advanced Executive Program at Northwestern University's Media Management Center.

Week 2
Monday

January 7
11:00 am to 12:30 pm

Who are the people and what are the institutions that played key roles in the development of Silicon Valley? What makes Silicon Valley a very successful and unique hotbed?

This session will review the interactions between the different ecosystems present in Silicon Valley, which contributed to the relentless fostering of innovation. Silicon Valley has a social and business "special sauce" which supports innovation and entrepreneurship. It is the home to many of the world largest high-tech companies, including the headquarters of 39 businesses in the Fortune 1000, and thousands of start-up companies.

Silicon Valley also accounts for one-third of all of the venture capital investment in the United States, which has helped it to become a leading hub and startup ecosystem for high-tech innovation and scientific development. It was in the Valley that the silicon-based integrated circuit, the microprocessor, and the microcomputer, among other key technologies, were developed. As of 2013, the region employed about a quarter of a million information technology workers.

Stanford University, Stanford Industrial Park, venture capital firms, law firms, immigration laws, industry giants, US Department of Defense steady spending all contributed to making of Silicon Valley the very dynamic think tank it is today.

Jeff Cabili worked at the Stanford Graduate School of Business for ten years. Before that, he spent more than 25 years in senior management positions for global companies. As a total quality management (TQM) consultant, he has conducted seminars and workshops for more than 5,100 senior executives.

Jeff has been teaching effective nonverbal skills at Stanford Continuing Studies since 2006 and at the Stanford Pre-Collegiate Summer Institutes since 2015. He is also a mentor at several incubators, such as Plug and Play, Draper, StartX, and Cubo (Brazil). He delivers his lectures and workshops in five languages and frequently uses his formal training in professional acting (mime!).

He received an MBA from Wharton and an MS in chemical engineering from the National Polytechnic Institute of Grenoble, France.

Mark Gainey, Strava Business/Entrepreneurship

Week 2
Monday

January 7
11:00 am to 12:30 pm

Strava is Swedish for "strive," which epitomizes our attitude and ambition: We're a passionate and committed team, unified by our mission to build the most engaged community of athletes in the world. Every day, we're searching for new ways to inspire athletes and make the sports they love even more fun. But it's not only about achieving – we're an inclusive team, dedicated to elevating each other and the members of our community. That balanced approach has helped us revolutionize our industry, and we're just getting started. Millions of athletes are on Strava, millions more will come. When you're ready for a challenge and a team that will support you along the way, join us. A lesson in patience and passion. We will explore the challenges and rewards of being an entrepreneur. I will share the Strava story and explain the skills we used to build the business in the early days. It will be an informal conversation with plenty of time for Q&A.

Mark Gainey has been building successful companies for nearly 20 years. He currently serves as the co-founder and chairman of Strava, the social network for athletes. Founded in 2009, millions of athletes worldwide have joined Strava for the camaraderie found in tracking and sharing their fitness activities. Prior to Strava, Mark co-founded Kana Communications, a publicly-traded enterprise software firm delivering CRM solutions. He served in various capacities as CEO, president and chairman. Mark started his career with TA Associates, a Boston-based private equity firm where he focused on technology and consumer-related investments. He has offered his expertise to a wide array of companies over the years, serving on the boards of Alter-G, BoardVantage, Daum, Clari, and Coaching Corps. Mark holds an AB from Harvard University.

Roopa Raman
Culture/Art

Week 2
Monday

January 7
11:00 am to 12:30 pm

What is henna and why is it so popular?

Henna is a tropical tree or shrub (*Lawsonia inermis*) that possesses natural dyeing and conditioning properties. The paste made from the dried and powdered leaves of the henna plant is used in creating intricate ethnic or contemporary designs on various parts of the body. Though traditionally applied to the hands and feet of women, where it has long played a significant part in the wedding ritual across cultures, henna is now becoming a fashion statement in the West as a temporary tattoo. When left on the skin for 8 or more hours, the henna dye stains the skin into a beautiful reddish brown color that lasts for up to 2 weeks. It is safe, nontoxic, temporary, and painless.

The presenter will present a brief history of henna and will distribute henna materials to the students. She will teach how to draw henna designs with henna cones. Students will draw on paper first to get an idea of various style of henna designs and then go about using henna paste to draw henna on their hands or on each other.

Roopa Raman, a professional and licensed henna artist and owner of Henna Bash (www.hennabash.com), will join your session to explore and teach these new activities. Raman is a Bay Area henna expert and has taken Henna Bash to various events, including private parties, community fairs, public libraries, colleges, corporations, schools, and more.

Bay Area Chess Critical Thinking

Week 2
Monday

January 7
11:00 am to 12:30 pm

BayAreaChess combines fun and learning while promoting a team spirit where everyone helps each other succeed and improve. Our chess program will cover the very basics for new students to the game, and we can challenge experienced players with more advanced concepts. Students will have the opportunity to learn the moves of the pieces, opening strategy, tactics, checkmates, and endgame play. Students will also learn valuable life skills through chess, such as winning and losing with grace, sportsmanship, planning, and team spirit. Our mission is to transform and enrich the lives of students through chess.

Bay Area Chess started as a parent volunteer organization when founder Salman Azhar's son moved to a new school with a low-quality high-cost commercial program. The goal was to sharpen the minds of our own children through top-notch instruction by deeply passionate teachers.

Our work was so successful that other parents requested programs and events at their school. We had to grow fast and hired professional coaching and administrative staff to support the growth. Almost 15 years later, our values remain the same and we treat all children like our own and do for them what we would do for our children. We have constantly evolved and improved our program to stay committed to that goal.

Activity
Designing Wonder: The
Intersection of Magic and
Engineering

Andrew Evans
Design Thinking/Engineering

Week 2
Monday

January 7
11:00 am to 12:30 pm

Magicians and designers both strive to create new experiences that seemingly defy what we believe is possible in the world. In this 90-minute talk with performance, Andrew — both a professional magician and a product designer — will explore how these two fields can inform one another to create unique, wondrous experiences. And, along the way, Andrew will perform his original, one-of-a-kind illusions and teach inside secrets from the world of magic.

Andrew Evans is a professional magician and illusion designer who brings a modern twist to classic magic. He founded the Magic Patio — a magic speakeasy tucked into a corner of San Francisco — and his background in engineering and design helps him create unique illusions that have impressed audiences on 6 continents (come on Antarctica!). When he's not on stage, Andrew is a design lead at IDEO and a guest lecturer at the Stanford d.School. Andrew holds a BA in engineering from Brown University and an MS in product design from Stanford University.

Activity
Succulents:
Discover Succulents with
Arakawa Ceramics

**Ken Shelf, Succulence
Gardening**

Week 2
Monday

January 7
11:00 am to 12:30 pm

During the Discover Succulents class our knowledgeable staff will teach you about these luscious plants and the ins and outs of working with them. This class is great for beginning gardeners and those looking to learn more about succulents. We will demystify these will-to-live plants, providing you with information about care, maintenance, propagation, and transplanting. You will plant your own succulent garden, choosing from a large assortment of different shapes, colors, and styles of pottery by a local ceramicist team, Thomas and Kathy Arakawa, to fill with a great selection of different shapes, colors, and types of succulent plants.

Succulence is a creative partnership between Ken and Amy Shelf. Ken is the lead cultivator at Succulence. Ken's plant art began decades ago with creative vegetable gardening and continues with his exploration of the disintegration and reintegration of nature with itself. In his endless quest for interesting planting vessels, he has planted teapots, popcorn poppers, electrical boxes, watering cans, shoes, bicycle rims, bird feeders, seashells, grain mill belts, coal cans, potato and onion baskets, and a metal Hoosier flour bin for his wife's 40th birthday. Amy Shelf is an artist, a singer (with Conspiracy of Venus), a collagist, a mom, a lawyer, a pickler, a jammer, and many other things. She spends her workdays building estate plans, and her nights are spent working on projects and developing the vision for Succulence. After Amy came up with the idea to name the store after the richness of life, their philosophy collided with their venture to form Succulence: life and garden.

Week 2
Monday

January 7
11:00 am to 12:30 pm

Fire is one of the most fundamental wilderness survival and forest craft skills. Along with the gift of staying warm, we treat water and cook with its heat, light our nights by its flames, and even use its coals to make tools. Come learn to make fire without modern matches or lighter. Use friction and wood to make a coal, or flint and steel to strike a spark. Delve into these ancient methods of creating fire.

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

Tony and Molly Deis founded Trackers Earth in 2004. Tony based Trackers on his personal work in outdoor education, which he began in 1992. Trackers Earth has grown into a national leader for outdoor camps and programs.

Trackers Earth exists to re-create a village of people connected through family and the land. They lead the way in education and collaborative organization. Their method is to revive outdoor lore and traditional skills, working to restore the common sense that is no longer common. Their vision is to help foster a deep appreciation for the natural world and community.

It seems that today people have forgotten what it means to be connected to land and community. Trackers exists to help us remember our story, to remind all of us of our connections to land, family, and village.

www.trackersbay.com

Ryan Roy Martial Arts/Fitness

Week 2
Monday

January 7
11:00 am to 12:30 pm

NOTE:
Athletic clothing
required.

Boxing is a combat sport in which two people, usually wearing protective gloves, throw punches at each other for a predetermined time in a boxing ring. Not only is boxing one of the principal spectator sports in the world, it is also a great workout. It builds strength and muscular and cardiovascular endurance as well as self-esteem — developing self-defense skills is a great confidence booster. But the average person who can throw a punch isn't a boxer. Beginners must learn the basics to get the most out of their skills and workout. There are specific boxing techniques that you must know to prevent injury, in addition to putting the most power behind your punch. Fight stance, left jab, bob and weave, and 1–2 punch will all be introduced during your session.

Professional fighter and martial arts expert Ryan Roy will introduce you to boxing techniques, practices, and equipment, and run through a full introductory class of instruction.

Ryan "T2" Roy is a professional Muay Thai fighter with over 14 years of Muay Thai and martial arts experience, and the founder and owner of T2 Muay Thai Studio in Mountain View, CA. He is a professional and amateur champion who has trained and fought both nationally and internationally, including in the founding home of Muay Thai, Thailand. Ryan began his Muay Thai career in the late 1990s under the original Fairtex team and gym in San Francisco. His trainers were Thailand stadium and current world champions and to this day Ryan still trains under the legendary Ganyao "Dr. Knee" Sitphodang Arunleung (trainer of 15 world champions).

www.t2muaythai.com

**Shanda Manion and Kimble Torres, Pathways to Medicine
Medicine**

Week 2
Monday

January 7
11:00 am to 12:30 pm

This workshop is a truly one-of-a-kind medical experience for teens. It will teach each participant the basics of inserting and starting an IV, administering injections, collecting venous blood samples, and much more!

Whether you are interested in nursing, dermatology, anesthesia, or surgery as possible career paths, this lab will allow you to practice and perfect the skills these professions use every day!

NOTE:
Students will be
handling needles
in this session.

You will learn firsthand how healthcare professionals deliver life- saving medicine in hospitals and clinics using IVs and injections.

Pathways to Medicine uses experiential learning and hands-on practice to cultivate students' potential in medicine. With its dynamic, inquiry- driven curriculum, Pathways to Medicine offers students the opportunity for self-discovery as they pursue their interests in health, science, and medicine.

Shanda's passion for education and medicine has inspired her extensive work in the healthcare field. In 2011, she began working at UCSF Hospital as a patient health educator for the UCSF National Center of Excellence in Women's Health and UCSF's Women's Health Great Expectations Pregnancy Program. She co-founded Pathways to Medicine in order to share her knowledge and enthusiasm for medicine with the next generation of healthcare providers.

Kimble Torres is a veteran biologist specializing in the human body and athletics. During his tenure in the biotech industry, Kimble worked for Nektar Therapeutics, Genentech, and Tyco Healthcare, investigating product feasibility and managing lab operations. In 2014, his passion for medicine and health education culminated in the founding of Pathways to Medicine, a pre-med program for high school students.

AcroSports, Johnny Bradford
Performance/Fitness

Week 2
Monday

January 7
11:00 am to 12:30 pm

NOTE:
9:00 Arrival at
AcroSports in San
Francisco.

Depart at noon back
to BM.

All students are
required to wear
appropriate athletic
clothing. Nobody with
a history of fainting.

Any student assigned
to this seminar will not
be assigned to an
activity session on
these days as you
need the extra time
for transport. You will
be back in time for
lunch.

NOTE: This activity session is part of a 3-day seminar and not a stand-alone session. Students in this seminar are automatically assigned to this activity session.

Members of the extensively experienced AcroSports staff team will facilitate various workshops, each focusing on a different movement modality — gymnastics, parkour, and aerial arts.

The Acro staff have unique and varied backgrounds, ranging from competitive gymnastics to professional performance. The AcroSports team are passionate about sharing their love of movement and performance with students of all levels.

Erika Schillinger and Monika Schoenhoff
Science/Cooking

Week 2
Monday

January 7
11:00 am to 12:30 pm

NOTE: This Activity Session is part of the 3-Day Seminar and not a stand-alone session.

Monika Schoenhoff, PhD, has worked for a number of years in the pharmaceutical industry as a pharmacokinetics/pharmacodynamics scientist (Genentech and small start-ups). For the last ten-plus years she followed her passion for science by bringing it to the classroom. She is honored and excited to be teaching the "Science of Food" course for Nueva again. She believes combining equal parts of passion for science, cooking, baking, and education is the perfect recipe.

Erika Schillinger, MD, is a clinical associate professor of medicine at Stanford. She is the Predoctoral Director in Family Medicine and has helped develop Stanford's clinical skills and doctoring curriculum. Her focus is on bedside manner, professionalism, and patient-centered care. In her work as an educator, she strives for an integrative, collaborative, innovative approach. She is grateful to be given the opportunity to weave together three passions — science, teaching, and food — in the service of a school she is coming to love.

Conservation Ambassadors, David and Lisa Jackson
Wildlife/Environment

Week 2
Monday

January 7
11:00 am to 12:30 pm

Students will be able to distinguish between what it means for an animal to be threatened, endangered, or extinct. They will meet species that are currently endangered as well as animals that have successfully come back from the brink of extinction.

NOTE:

Live animals are part of this session. You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

David's passion for wildlife and desire to educate and inspire conservation worldwide is what led him to establish Conservation Ambassadors 25 years ago. His passion started in high school with jobs in animal care and training dogs and parrots. His unique experiences inspired him to pursue a career in the animal care field, and he went to work in the zoological medicine department at UC Davis Veterinary Teaching Hospital. His dedication and interest in wildlife and wild places led him to attend Moorpark College in California, a facility certified by the Association of Zoos and Aquariums, where he earned a degree in exotic animal training and zoological management.

David has traveled around the world to assist with wildlife conservation efforts. Over his career, he has received numerous awards for animal welfare, zoo management, education, and training.

Conservation Ambassadors' mission is giving a worldwide voice to wildlife by providing a permanent, loving home for displaced, abused, abandoned, or permanently injured wild and exotic animals. Through our "Zoo to You" outreach program, we share these animal ambassadors with school children and learners of all ages to educate them about conservation, connect them to the wild world, and inspire them to protect the planet.

www.conservationambassadors.org

KALA Arts, HyeYoon Song
Art

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

This class starts from observational drawing using objects and forms, bringing attention to making imaginary scenarios on paper. Exploring and identifying rendering, gesture, perspective study, and abstraction, students will work on multiple renditions through improvisational tools such as charcoal, graphite, and ink. Emphasis will be put on creating full composition drawings through the introduction of the formal properties of drawing.

HyeYoon Song is an interdisciplinary artist with a primary focus on printmaking, painting, and sculpture. She explores landscape, identity, and narrative in her work by exploring the vocabularies of print and the multiple in an unconventional and multidisciplinary context. HyeYoon obtained a BFA from the School of the Art Institute of Chicago and a MFA at the California College of the Arts. She has recently exhibited at Embark Gallery, Minnesota Street Projects, CCA, Acción Latina Gallery, Adobe Books, and more. HyeYoon has taught at various institutions like CCA, Berkeley Art Museum, Mission Cultural Center for Latino Arts, Youth Art Exchange, and Kala Art Institute.

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

NOTE:
Students should
bring their laptops

Create your own Paris street art icon! Paris is famous for its street art and one of its most important genres is the unique icon that artists design for themselves and then place high on street corners around the city. These icons work like graffiti tags, but are typically variations on a simple, repeated image: a mushroom, an octopus, a space invader. They are usually about a foot square and are made offsite and then pasted on the chosen wall. In this activity, we'll create our own Paris street icons. You'll get to design an icon that best represents you as an artist, and then we'll sneak around campus and paste them on the walls.

Simon Firth (Finley Firth's dad) is a professional communicator and amateur maker of everything from jewelry to tree houses. A former public television producer and commissioned playwright, he now makes a living writing for clients like HP, VMware, and Stanford University. Simon has a longstanding interest in the history and practice of art, and in developing new approaches to communication and education. He has taught intersessions at the Nueva Upper School and the Girls' Middle School in Palo Alto, covering topics that include process art, book art, environmental art, inspirational signage, and information display at a massive scale. Simon received a BA in philosophy and art history (minor) from University College, London, an MA in communications studies from City University, London, and an MSc in television, radio, and film from Syracuse University.

<https://simonfirth.wordpress.com/>

Eric LaBadie, Mya
Business/Entrepreneurship

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

Our mission is to open up a world of job possibilities for all. Inefficiencies in the existing recruiting model mean the right talent and the right job don't always end up together. Mya's vision is to create a solution where job seekers get jobs faster, and hiring teams get the most qualified candidates by eliminating frictional unemployment.

We will discuss the Mya story and explain the skills we used build the business in the early days. It will be an informal conversation with plenty of time for Q&A.

Eric LaBadie brings 20 years of enterprise software sales leadership experience including running worldwide sales for Guardian Analytics, and sales management positions at IBM and Pure Software.

**A Little Yumminess, Simran Singh and Stacie Dong
Cooking**

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

Travel to India and explore the masala dabba (Indian spice box), the cornerstone of Indian cuisine. In addition to adding incredible flavor to dishes, spices have been valued for their healing and medicinal properties since ancient times. In this hands-on activity session, we'll work with spices and spice blends, then cook several dishes that you might traditionally find in a tiffin, the kind of portable lunch or snack people across India take to work and school.

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

Simran Singh and Stacie Dong love to teach kids of all ages to cook foods from around the world. They also write about food and share recipes on their blog, A Little Yumminess (www.alittleyum.com) as well as for the San Jose Mercury News ("Fast & Furious Weeknight Cooking"). In addition to teaching youth classes throughout the year and their popular "A Little Yumminess" summer camp, they teach classes for adults at 18 Reasons in San Francisco, the Cooking School at Cavallo Point in Sausalito, and Ramekins Culinary School in Sonoma.

Bay Area Chess Critical Thinking

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

BayAreaChess combines fun and learning while promoting a team spirit where everyone helps each other succeed and improve. Our chess program will cover the very basics for new students to the game, and we can challenge experienced players with more advanced concepts. Students will have the opportunity to learn the moves of the pieces, opening strategy, tactics, checkmates, and endgame play. Students will also learn valuable life skills through chess, such as winning and losing with grace, sportsmanship, planning, and team spirit. Our mission is to transform and enrich the lives of students through chess.

Bay Area Chess started as a parent volunteer organization when founder Salman Azhar's son moved to a new school with a low-quality high-cost commercial program. The goal was to sharpen the minds of our own children through top-notch instruction by deeply passionate teachers.

Our work was so successful that other parents requested programs and events at their school. We had to grow fast and hired professional coaching and administrative staff to support the growth. Almost 15 years later, our values remain the same and we treat all children like our own and do for them what we would do for our children. We have constantly evolved and improved our program to stay committed to that goal.

Roopa Raman
Culture/Art

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

What is Bindi Art? A bindi (Hindi: बिंदी, from Sanskrit बिन्दु bindú, meaning "point, drop, dot or small particle") is a colored dot worn on the center of the forehead, originally by Hindus and Jains. The word bindu dates back to the hymn of creation known as Nasadiya Sukta in the Rigveda. Bindu is considered the point at which creation begins and may become unity. It is also described as "the sacred symbol of the cosmos in its unmanifested state."

Traditionally, the area between the eyebrows (where the bindi is placed) is said to be the sixth chakra, ajna, the seat of "concealed wisdom." The bindi is said to retain energy and strengthen concentration. The bindi also represents the third eye.

Bindis are popular outside the Indian subcontinent and Southeast Asia as well. They are sometimes worn purely for decorative purpose or style statement without any religious or cultural affiliation. Decorative and ornamental bindis were introduced to other parts of the world by immigrants from the Indian subcontinent. International celebrities such as Gwen Stefani, Julia Roberts, Madonna, Selena Gomez, and many others have been seen wearing bindis

The presenter will talk about the history and cultural significance of bindis. She will also talk about the various styles of bindi art. Materials will be distributed to students and they will learn how to draw freestyle bindi as well as decorate ready-made bindis to enhance their beauty.

Roopa Raman, a professional and licensed henna artist and owner of Henna Bash (www.hennabash.com), will join your session to explore and teach these new activities. Raman is a Bay Area henna expert and has taken Henna Bash to various events, including private parties, community fairs, public libraries, colleges, corporations, schools, and more.

Julie Bornstein
Fashion/Business

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

Could a love of fashion lead to an intellectually rewarding career? What kind of work is involved in being a part of the fashion industry? In this 90-minute interactive session, you'll have a chance to get introduced to the fashion business and to go deeper into one aspect of the industry, exploring some of your favorite fashion companies and the interesting challenges that they face. From design to production, from stores to e-commerce, from merchandising to store design, and from marketing to financing — we will split into groups to do minicases on Zara, Nordstrom, Brandy Melville, and Stitch Fix. We'll learn about the inner workings of these companies and what it might be like to work on some of the challenges they face.

Julie Bornstein has spent her career at the intersection of fashion, retail, and technology. She is currently the founder/CEO of a new venture-backed digital fashion platform to launch in the fall of 2019. Prior to starting her own company, Julie served as the COO and board member of Stitch Fix (2012–2017), helping to grow the company to \$1B in revenue. Prior to her time at Stitch Fix, Julie served as Chief Marketing Officer and Chief Digital Officer at Sephora (2007–15), where she oversaw the growth of Sephora.com, Sephora Mobile, Beauty Talk and Sephora's loyalty program, Beauty Insider. Julie was the head of e-commerce for Urban Outfitters (2005–07) and built Nordstrom.com (2000–05) into an early online powerhouse. Julie currently serves on the board of directors for Redfin, a digital real-estate company, and is an advisor to multiple start-ups. She has also been a board member and long time advocate of Planned Parenthood. Julie went to Harvard College, where she majored in government, and she also got her MBA from Harvard. She is the mom of Lucy Birtwistle (10th grade) and Sam Birtwistle (7th grade).

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

There's evidence to suggest humans were born to run, but we're rarely taught how to run. This session will teach you the basics of running for nonrunners. We will go over the elements of running form, from head positioning down to your footstrike, and will work on developing a more efficient stride so that running feels more enjoyable and reduces the chance of injury from incorrect form. We will also discuss how running form can change over different surfaces, from trails to grass to downhills. No prior running experience needed.

NOTE:

Please come in comfortable, non-restrictive clothing and footwear as we will do some movement, from dynamic form drills, working on improving mobility and range of motion, and some light running.

Liz Gill's athletic background includes competing as an NCAA Division 1 cross-country and track and field athlete for four years at Columbia University and a year at University of Southern California (fight on!). She was recently inducted into the Columbia University Athletics Hall of Fame as part of the first women's team to be inducted in school history. She currently competes for the Impala Racing Team in distances ranging from the track to ultramarathons on the trails. She has worked as a cross-country and track coach, backpacking guide in Central America, manager of an adapted paddling program for individuals with mobility impairments, sea kayaking guide, and group leader for high-altitude service learning trips in Kenya and Peru, and is in her seventh year directing the summer running program for RanMarin.com.

Ken Shelf, Succulence
Gardening

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

During this vertical gardening DIY class you will learn about vertical gardening products and then make a do-it-yourself vertical garden. The goal in this class is to get you as crazy excited about gardening with succulents as we are and to see the entire world as one big planter waiting to happen. This class is hands-on, so dress in clothes that you don't mind getting a little dirty and prepare to enjoy a session of education and creativity!

Succulence is a creative partnership between Ken and Amy Shelf. Ken is the lead cultivator at Succulence. Ken's plant art began decades ago with creative vegetable gardening and continues with his exploration of the disintegration and reintegration of nature with itself. In his endless quest for interesting planting vessels, he has planted teapots, popcorn poppers, electrical boxes, watering cans, shoes, bicycle rims, bird feeders, seashells, grain mill belts, coal cans, potato and onion baskets, and a metal Hoosier flour bin for his wife's 40th birthday. Amy Shelf is an artist, a singer (with Conspiracy of Venus), a collagist, a mom, a lawyer, a pickler, a jammer, and many other things. She spends her workdays building estate plans, and her nights are spent working on projects and developing the vision for Succulence. After Amy came up with the idea to name the store after the richness of life, their philosophy collided with their venture to form Succulence: life and garden.

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

Blades are the foundational tools of wilderness survival and forest craft. They carve, split, and chew away at wood. They have been used to skin, butcher, and even hunt. Blades can be steel, stone, and also bone. In this class you not only learn how to use a blade safely, you get to use different blades and understand their different uses. Blades for forest craft include knives, saws, axes, and more. Each of these tools serves its own purpose. Get hands-on, project-based experience with tool selection, grips, and cuts for each class.

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

Tony and Molly Deis founded Trackers Earth in 2004. Tony based Trackers on his personal work in outdoor education, which he began in 1992. Trackers Earth has grown into a national leader for outdoor camps and programs.

Trackers Earth exists to re-create a village of people connected through family and the land. They lead the way in education and collaborative organization. Their method is to revive outdoor lore and traditional skills, working to restore the common sense that is no longer common. Their vision is to help foster a deep appreciation for the natural world and community.

It seems that today people have forgotten what it means to be connected to land and community. Trackers exists to help us remember our story, to remind all of us of our connections to land, family, and village.

www.trackersbay.com

Ryan Roy
Martial Arts/Fitness

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

NOTE:
Athletic clothing
required.

Muay Thai or Thai boxing is a combat sport of Thailand that uses stand-up striking along with various clinching techniques. Muay Thai is a physical and mental discipline, referred to as the "Art of Eight Limbs" or the "Science of Eight Limbs" because it makes use of punches, kicks, elbows, and knee strikes, thus using eight points of contact, as opposed to two points (fists) in boxing and four points (hands and feet) used in other more regulated combat sports, such as kickboxing. Muay Thai became widespread internationally in the twentieth century, when practitioners defeated notable practitioners of other martial arts. Many other martial arts have adopted certain Muay Thai techniques because of its effectiveness inside and outside of the ring. It is the stand-up base for the majority of mixed-martial artists today.

Professional fighter and martial arts expert Ryan Roy will introduce you to Muay Thai techniques, practices, and equipment, and run you through an introductory class of instruction.

Ryan "T2" Roy is a professional Muay Thai fighter with over 14 years of Muay Thai and martial arts experience, and the founder and owner of T2 Muay Thai Studio in Mountain View, CA. He is a professional and amateur champion who has trained and fought both nationally and internationally, including in the founding home of Muay Thai, Thailand. Ryan began his Muay Thai career in the late 1990s under the original Fairtex team and gym in San Francisco. His trainers were Thailand stadium and current world champions and to this day Ryan still trains under the legendary Ganyao "Dr. Knee" Sitphodang Arunleung (trainer of 15 world champions).

www.t2muaythai.com

AcroSports, Johnny Bradford
Performance/Fitness

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

NOTE:
9:00 Arrival at
AcroSports in San
Francisco.

Depart at noon back
to BM.

All students are
required to wear
appropriate athletic
clothing. Nobody with
a history of fainting.

Any student assigned
to this seminar will not
be assigned to an
activity session on
these days as you
need the extra time
for transport. You will
be back in time for
lunch.

NOTE: This activity session is part of a 3-day intensive and not a stand-alone session.

Members of the extensively experienced AcroSports staff team will facilitate various workshops, each focusing on a different movement modality — gymnastics, parkour, and aerial arts.

The Acro staff have unique and varied backgrounds, ranging from competitive gymnastics to professional performance. The AcroSports team are passionate about sharing their love of movement and performance with students of all levels.

Christopher Krebs
Philosophy/History

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

NOTE:
Reading
suggestions and
questions will be
sent to students
prior to the start of
Intersession.

"It's been a long time coming, but tonight, because of what we did on this day, in this election, at this defining moment, change has come to America."

Back in the day, in his first campaign for president, Barack Obama promised change; yet in formulating that promise he relied on rhetorical rules (like the climactic tricolon), which for more than 2,000 years have remained unchanged. Across the ages another politician and orator, Marcus Tullius Cicero, can help us analyze and appreciate Obama's and other contemporary politicians' rhetorical accomplishment.

We will look at excerpts from speeches by Obama, Bill Clinton, Pericles, Cicero, and Tacitus with an eye to their enactments of specific rhetorical rules — formulated in ancient times, followed to this day.

Christopher Krebs studied classics and philosophy in Berlin, Kiel, and Oxford and taught at Harvard before joining Stanford's Classics Department, where he regularly teaches a freshman seminar on Ancient Rhetoric and Its Contemporary Relevance and a humanities core class on Great Books, Big Ideas from Antiquity. He is the author of A Most Dangerous Book: Tacitus's Germania from the Roman Empire to the Third Reich, which received the 2012 Christian Gauss Award, and, most recently, The Cambridge Companion to the Writings of Julius Caesar. He enjoys writing for wider audiences and has published reviews and essays in the Wall Street Journal, the Times Literary Supplement, the London Review of Books, and others.

Conservation Ambassadors, David and Lisa Jackson
Wildlife/Environment

Week 2
Tuesday

January 8
11:00 am to 12:30 pm

Some of the most amazing animals in the world are found right here in our own backyard. Meet animals found throughout the USA, from sea to shining sea. Learn about their significance to Native Americans and the impact they still have on all of us.

NOTE:

Live animals are part of this session. You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

David's passion for wildlife and desire to educate and inspire conservation worldwide is what led him to establish Conservation Ambassadors 25 years ago. His passion started in high school with jobs in animal care and training dogs and parrots. His unique experiences inspired him to pursue a career in the animal care field, and he went to work in the zoological medicine department at UC Davis Veterinary Teaching Hospital. His dedication and interest in wildlife and wild places led him to attend Moorpark College in California, a facility certified by the Association of Zoos and Aquariums, where he earned a degree in exotic animal training and zoological management.

David has traveled around the world to assist with wildlife conservation efforts. Over his career, he has received numerous awards for animal welfare, zoo management, education, and training.

Conservation Ambassadors' mission is giving a worldwide voice to wildlife by providing a permanent, loving home for displaced, abused, abandoned, or permanently injured wild and exotic animals. Through our "Zoo to You" outreach program, we share these animal ambassadors with school children and learners of all ages to educate them about conservation, connect them to the wild world, and inspire them to protect the planet.

www.conservationambassadors.org

Simon Firth
Art

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

Come play Epic Charades! This is a game where teams with multiple players are challenged to work together to act out a major historical event, play, movie, book, or even scientific concept (think the Civil War, the birth of the universe, The Avengers trilogy, Romeo and Juliet, the Hunger Games, the Russian Revolution, the Harry Potter series, the partition of India) in one minute, using no words. There's fun in guessing what another team is trying to show you, but also in thinking up how to depict your own mega-event. It's like charades, but, like, epic.

Simon Firth (Finley Firth's dad) is a professional communicator and amateur maker of everything from jewelry to tree houses. A former public television producer and commissioned playwright, he now makes a living writing for clients like HP, VMware, and Stanford University. Simon has a longstanding interest in the history and practice of art, and in developing new approaches to communication and education. He has taught intersessions at the Nueva Upper School and the Girls' Middle School in Palo Alto, covering topics that include process art, book art, environmental art, inspirational signage, and information display at a massive scale. Simon received a BA in philosophy and art history (minor) from University College, London, an MA in communications studies from City University, London, and an MSc in television, radio, and film from Syracuse University.

<https://simonfirth.wordpress.com/>

Kala Arts: Art School to Art Career:
The Legal and Business Basics
Every Artist Should Know

KALA Arts, Jacob Janzen
Art

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

Getting from art school to an art career is not a clear pathway for most of us. Art schools are great havens of creativity but they don't prepare artists for the realities of the business side of the art world. This class covers the fundamental business and legal topics artists need to be aware of and seeks to dispel some of the myths about the law in relation to art.

Attorney Jacob Janzen runs Start Art Legal, a solo law practice devoted to representing artists and creative professionals at the many intersections of the art and law worlds. As a participating member of the California Lawyers for the Arts Modest Means Incubator Program, Janzen provides affordable, discounted, and pro-bono legal counsel to artists and creative professionals throughout the state. Among his current clients, Janzen represents and advises local nonprofits, visual artists, musicians, performing artists, galleries, owners of art related businesses, and creative entrepreneurs in the Bay Area and Los Angeles. Janzen is a licensed CA attorney. He holds an MA in art business from the Sotheby's Institute of Art, Los Angeles, and a JD from DePaul University College of Law in Chicago. Janzen gives many art- and law- related workshops throughout the state.

KALA Arts, HyeYoon Song
Art

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

This class starts from observational drawing using objects and forms, bringing attention to making imaginary scenarios on paper. Exploring and identifying rendering, gesture, perspective study, and abstraction, students will work on multiple renditions through improvisational tools such as charcoal, graphite, and ink. Emphasis will be put on creating full composition drawings through the introduction of the formal properties of drawing.

HyeYoon Song is an interdisciplinary artist with a primary focus on printmaking, painting, and sculpture. She explores landscape, identity, and narrative in her work by exploring the vocabularies of print and the multiple in an unconventional and multidisciplinary context. HyeYoon obtained a BFA from the School of the Art Institute of Chicago and a MFA at the California College of the Arts. She has recently exhibited at Embark Gallery, Minnesota Street Projects, CCA, Acción Latina Gallery, Adobe Books, and more. HyeYoon has taught at various institutions like CCA, Berkeley Art Museum, Mission Cultural Center for Latino Arts, Youth Art Exchange, and Kala Art Institute.

Start-Up Of The Day: Neurotrack

Elli Kaplan, Neurotrack
Business/Entrepreneurship

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

Preventing memory loss is possible. Neurotrack uses clinically proven science to help you assess and improve your memory over time. We will discuss the Siolta Therapeutics story and explain the skills we used build the business in the early days. It will be an informal conversation with plenty of time for Q&A.

Elli Kaplan is the co-founder and CEO of Neurotrack. Her career spans two decades in the public and private sectors, including at the White House, the State and Treasury Departments, and the United Nations. Elli has also held positions with AIG, Goldman Sachs and multiple startups. She has won SXSW's best new startup and DEMO God awards, and presented at TEDx, TechCrunch Disrupt, the Royal Society of Medicine, Wired and the New York Times. Elli has an M.B.A. from Harvard Business School.

Activity
A Little Yumminess: Cooking
and Culture — Indonesia,
Rice at the Center

A Little Yumminess, Simran Singh and Stacie Dong
Cooking

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

Rice is a staple throughout Indonesia and is the center of almost every meal, with everything else being on the side. Accompaniments to a simple mound of rice might include several savory side dishes of vegetables, fish, or perhaps a meat or poultry dish with a sambal (hot chili condiment), acar (pickles), and crispy fried shallots sprinkled on top to provide a crunchy contrast.

In this hands-on activity session, we'll taste and explore a variety of traditional Indonesian ingredients, make bumbu (spice paste) as a base for a homemade curry, and assemble our own nasi campur (mixed rice plate).

Simran Singh and Stacie Dong love to teach kids of all ages to cook foods from around the world. They also write about food and share recipes on their blog, A Little Yumminess (www.alittleyum.com) as well as for the San Jose Mercury News ("Fast & Furious Weeknight Cooking"). In addition to teaching youth classes throughout the year and their popular "A Little Yumminess" summer camp, they teach classes for adults at 18 Reasons in San Francisco, the Cooking School at Cavallo Point in Sausalito, and Ramekins Culinary School in Sonoma.

Roopa Raman and Deepali Anave
Culture/Art

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

What is a henna candle?

Henna candles are candles decorated with henna art. Henna-inspired artwork on candles has recently become popular as exquisite gifts for weddings, home decoration, birthdays, party favors, and more. Artists use various materials to create unique and beautiful henna artwork on candles that can be long-lasting gifts.

Our presenter will give a brief history and provide details on henna art. She will then distribute candles to the students along with various materials and teach you how to do henna art on candles. Students get to take their completed candles home.

Deepali Anave has been interested in art since childhood. Being in this country for more than 2 decades has given her lots of opportunities to explore her talents. She loves doing henna and all kinds of crafts revolving around that art form.

Roopa Raman, a professional and licensed henna artist and owner of Henna Bash (www.hennabash.com), will join your session to explore and teach these new activities. Raman is a Bay Area henna expert and has taken Henna Bash to various events, including private parties, community fairs, public libraries, colleges, corporations, schools, and more.

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

There's evidence to suggest humans were born to run, but we're rarely taught how to run. This session will teach you the basics of running for non-runners. We will go over the elements of running form, from head positioning down to your footstrike, and will work on developing a more efficient stride so that running feels more enjoyable and reduces the chance of injury from incorrect form. We will also discuss how running form can change over different surfaces, from trails to grass to downhills. No prior running experience needed.

NOTE:

Please come in comfortable, non-restrictive clothing and footwear as we will do some movement, from dynamic form drills, working on improving mobility and range of motion, and some light running.

Liz Gill's athletic background includes competing as an NCAA Division I cross-country and track and field athlete for four years at Columbia University and a year at University of Southern California (fight on!). She was recently inducted into the Columbia University Athletics Hall of Fame as part of the first women's team to be inducted in school history. She currently competes for the Impala Racing Team in distances ranging from the track to ultramarathons on the trails. She has worked as a cross-country and track coach, backpacking guide in Central America, manager of an adapted paddling program for individuals with mobility impairments, sea kayaking guide, and group leader for high-altitude service learning trips in Kenya and Peru, and is in her seventh year directing the summer running program for RanMarin.com.

Ken Shelf, Succulence
Gardening

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

Plant a succulent in a mossy air garden using the ancient Japanese art of kokedama. Translating to "moss ball" in English, kokedama is the style of wrapping the soil and root balls of plants in a green sheet moss and thus creating a planter of the the moss. Once completed, your Kokedama can be displayed in a dish or shallow bowl, or it can be hung in a bright spot for a dramatic presentation. As with all of Succulence's plant classes, we will provide you with information about care, maintenance, propagation, and transplanting of succulent plants, and give you great information about caring for your new kokedama!

Succulence is a creative partnership between Ken and Amy Shelf. Ken is the lead cultivator at Succulence. Ken's plant art began decades ago with creative vegetable gardening and continues with his exploration of the disintegration and reintegration of nature with itself. In his endless quest for interesting planting vessels, he has planted teapots, popcorn poppers, electrical boxes, watering cans, shoes, bicycle rims, bird feeders, seashells, grain mill belts, coal cans, potato and onion baskets, and a metal Hoosier flour bin for his wife's 40th birthday. Amy Shelf is an artist, a singer (with Conspiracy of Venus), a collagist, a mom, a lawyer, a pickler, a jammer, and many other things. She spends her workdays building estate plans, and her nights are spent working on projects and developing the vision for Succulence. After Amy came up with the idea to name the store after the richness of life, their philosophy collided with their venture to form Succulence: life and garden.

Tracker's Earth Industrial Art

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

Learn the ancient art of working hot metal on the anvil! We taper, split, twist, and punch steel to create art and functional tools. Come have fun and try your hand at the time-honored craft of blacksmithing. In this intro class you will learn all you need to begin manipulating and moving iron in true Maker fashion.

NOTE:

You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

Tony and Molly Deis founded Trackers Earth in 2004. Tony based Trackers on his personal work in outdoor education, which he began in 1992. Trackers Earth has grown into a national leader for outdoor camps and programs.

Trackers Earth exists to re-create a village of people connected through family and the land. They lead the way in education and collaborative organization. Their method is to revive outdoor lore and traditional skills, working to restore the common sense that is no longer common. Their vision is to help foster a deep appreciation for the natural world and community.

It seems that today people have forgotten what it means to be connected to land and community. Trackers exists to help us remember our story, to remind all of us of our connections to land, family, and village.

www.trackersbay.com

Ryan Roy
Martial Arts/Fitness

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

NOTE:
Athletic clothing
required.

Kickboxing is a group of stand-up combat sports based on kicking and punching, historically developed from karate and Muay Thai. Kickboxing is practiced for self-defense, general fitness, or as a contact sport. American kickboxing originated in the 1970s and was brought to prominence in 1974, when the Professional Karate Association (PKA) held the first world championships. Historically, kickboxing can be considered a hybrid martial art formed by combining elements of various traditional styles. Kickboxing has contributed to the emergence of mixed martial arts via further hybridization with ground-fighting techniques from Brazilian jiu-jitsu and folk wrestling.

Professional fighter and martial arts expert Ryan Roy will introduce you to kickboxing techniques, practices, equipment, and run through a full introductory class of instruction."

Ryan "T2" Roy is a professional Muay Thai fighter with over 14 years of Muay Thai and martial arts experience, and the founder and owner of T2 Muay Thai Studio in Mountain View, CA. He is a professional and amateur champion who has trained and fought both nationally and internationally, including in the founding home of Muay Thai, Thailand. Ryan began his Muay Thai career in the late 1990s under the original Fairtex team and gym in San Francisco. His trainers were Thailand stadium and current world champions and to this day Ryan still trains under the legendary Ganyao "Dr. Knee" Sitphodang Arunleung (trainer of 15 world champions).

www.t2muaythai.com

**Shanda Manion and Kimble Torres, Pathways to Medicine
Medicine**

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

Pathways to Medicine's Sports Medicine workshop is designed to explore the world of athletic health. Students will study the mechanics of sports injury with a special emphasis on the principles of injury analysis and diagnosis.

Not only will participants learn how to identify the most common causes and symptoms of athletic pain, they will also learn how to rehabilitate their patients using structural support, athletic conditioning, and physical therapy.

Our sports medicine workshop is a perfect fit for athletes, sports junkies, and anyone interested in learning about how sports impact the human body.

Pathways to Medicine uses experiential learning and hands-on practice to cultivate students' potential in medicine. With its dynamic, inquiry-driven curriculum, Pathways to Medicine offers students the opportunity for self-discovery as they pursue their interests in health, science, and medicine.

Shanda's passion for education and medicine has inspired her extensive work in the healthcare field. In 2011, she began working at UCSF Hospital as a patient health educator for the UCSF National Center of Excellence in Women's Health and UCSF's Women's Health Great Expectations Pregnancy Program. She co-founded Pathways to Medicine in order to share her knowledge and enthusiasm for medicine with the next generation of healthcare providers.

Kimble Torres is a veteran biologist specializing in the human body and athletics. During his tenure in the biotech industry, Kimble worked for Nektar Therapeutics, Genentech, and Tyco Healthcare, investigating product feasibility and managing lab operations. In 2014, his passion for medicine and health education culminated in the founding of Pathways to Medicine, a pre-med program for high school students.

AcroSports, Johnny Bradford
Performance/Fitness

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

NOTE:
9:00 Arrival at
AcroSports in San
Francisco.

Depart at noon back
to BM.

All students are
required to wear
appropriate athletic
clothing. Nobody with
a history of fainting.

Any student assigned
to this seminar will not
be assigned to an
activity session on
these days as you
need the extra time
for transport. You will
be back in time for
lunch.

NOTE: This activity session is part of a 3-day intensive and not a stand-alone session.

Members of the extensively experienced AcroSports staff team will facilitate various workshops, each focusing on a different movement modality — gymnastics, parkour, and aerial arts.

The Acro staff have unique and varied backgrounds, ranging from competitive gymnastics to professional performance. The AcroSports team are passionate about sharing their love of movement and performance with students of all levels.

Christopher Krebs
Philosophy/History

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

In 98 CE the Roman historian Tacitus composed a brief ethnography of the peoples the Romans called Germani ("ancient Germans," for lack of an accurate translation). Hundreds of years later, it would exert a profound influence on the European history of ideas; and ultimately, and by no fault of its author, it ended up as an ideological cornerstone of the National Socialist regime. This talk will trace the influence of this innocuous yet noxious text, called the *Germania*, and reflect more generally on what it is that makes books "dangerous."

NOTE:
Reading
suggestions and
questions will be
sent to students
prior to the start of
Intersession.

*Christopher Krebs studied classics and philosophy in Berlin, Kiel, and Oxford and taught at Harvard before joining Stanford's Classics Department, where he regularly teaches a freshman seminar on Ancient Rhetoric and Its Contemporary Relevance and a humanities core class on Great Books, Big Ideas from Antiquity. He is the author of *A Most Dangerous Book: Tacitus's Germania from the Roman Empire to the Third Reich*, which received the 2012 Christian Gauss Award, and, most recently, *The Cambridge Companion to the Writings of Julius Caesar*. He enjoys writing for wider audiences and has published reviews and essays in the *Wall Street Journal*, the *Times Literary Supplement*, the *London Review of Books*, and others.*

Emma Anne McCarthy and Todd David Erickson, Bing Nursery School Psychology

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

Have you ever wondered how you got to be you? And what a marshmallow (or two) might have to do with it? For 50 years, scientists at Stanford University have worked with young children at Bing Nursery School to tackle questions like this and to uncover the workings of human development in the first years of life. This session will review landmark research in child development that has occurred at Bing over the years, from the early days of marshmallows and candy boxes to more recent work that may have even included some current Nueva students. Through interactive work with real experimental protocols, we will examine some of the ingenious methods that researchers devised to turn scientific inquiry into children's games, and we will discuss how they've contributed to our understanding of how children grow, learn, and build knowledge about themselves and their world.

Emma McCarthy is an early childhood educator at Bing Nursery School, getting to spend her day in awe as she witnesses and supports the growth and development of young children. She has been teaching at Bing since 2007, when she began her career in early childhood education. Emma has a BS from Stanford University and a master's degree in education from Harvard University. Emma lectures in the Psychology Department at Stanford, teaching courses in developmental psychology alongside other Bing educators.

Todd Erickson is a head teacher at Bing Nursery School and the laboratory school for Stanford University's Psychology Department. Todd received his BA in child and adolescent development from California State University–Northridge and his MA in education (early childhood concentration) from San Francisco State University. Todd has been teaching at Bing for eleven years and before that taught for eight years at Foundations School Community, a Southern California K–8 progressive school modeled after City and Country School in New York. Perhaps Todd's most important work, however, is as the father of Brendan (25), Rowan (13) and Audrey (8). In addition to spending time with his family, Todd loves writing, Monty Python, soccer, and big body play.

Activity
Conservation Ambassadors:
Amazing Animal
Adaptations

Conservation Ambassadors, David and Lisa Jackson
Wildlife/Environment

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

NOTE:

Live animals are part of this session. You may sign up for more than one session; however, we will only assign students to additional sessions after everyone who wants this activity has had a first opportunity.

From camouflage to prehensile tails, adaptations are essential for animals and humans to survive. The physical and behavioral characteristics of these amazing animal ambassadors are highlighted in this interactive program.

David's passion for wildlife and desire to educate and inspire conservation worldwide is what led him to establish Conservation Ambassadors 25 years ago. His passion started in high school with jobs in animal care and training dogs and parrots. His unique experiences inspired him to pursue a career in the animal care field, and he went to work in the zoological medicine department at UC Davis Veterinary Teaching Hospital. His dedication and interest in wildlife and wild places led him to attend Moorpark College in California, a facility certified by the Association of Zoos and Aquariums, where he earned a degree in exotic animal training and zoological management.

David has traveled around the world to assist with wildlife conservation efforts. Over his career, he has received numerous awards for animal welfare, zoo management, education, and training.

Conservation Ambassadors' mission is giving a worldwide voice to wildlife by providing a permanent, loving home for displaced, abused, abandoned, or permanently injured wild and exotic animals. Through our "Zoo to You" outreach program, we share these animal ambassadors with school children and learners of all ages to educate them about conservation, connect them to the wild world, and inspire them to protect the planet.

www.conservationambassadors.org

Terisa Siagatonu
Writing/Performance/Social Justice

Week 2
Wednesday

January 9
11:00 am to 12:30 pm

How can an ancient (and often boring) art form respond to Rihanna, #BlackLivesMatter, and global warming? A new generation of poets is using the stage and performance to bring poetry to life and challenge the status quo. This presentation invites students to join the revolution. Slam poetry champion Terisa Siagatonu performs original work and introduces students to an art form that is answering the call for socially engaged/enraged art in the 21st century. Students will have a chance to perform themselves and a Q+A will follow.

Terisa Siagatonu is an award-winning poet, arts educator, and community organizer born and rooted in the San Francisco Bay Area. Her presence in the spoken word world as a queer Samoan womyn and activist has granted her opportunities to perform in places ranging from the White House to the UN Conference on Climate Change in Paris, France. The most memorable moment in her career was receiving President Obama's Champion of Change Award (2012) for her activism as a spoken word poet/organizer in her Pacific Islander community. Terisa's writing blends the personal with the political in a way that calls for healing, courage, justice, and truth.

Her work has been extensively featured in the media. Terisa performs, competes, and coaches spoken word poetry nationwide, having placed 2nd in the nation twice on two national poetry slam teams. In May 2016, Terisa published her first collection of poems in her chapbook "Remember We Have Choir Practice" (available for purchase at www.terisasiagatonu.com).

Off stage, Terisa is involved in community organizing work revolving around issues such as youth advocacy, educational attainment, Pacific Islander/Indigenous rights, LGBTQIA rights, gender-based violence, and other causes she is passionate about. Terisa also works as a therapist in San Francisco and aims to merge art and therapy in her career as a therapist/educator.