

SPRING & SUMMER 2017 SCIENCE PROGRAMS

Palo Alto
Junior Museum
& Zoo



SPRING REGISTRATION
NOW ENROLLING

SUMMER REGISTRATION
BEGINS MAR 20TH
MAR 27TH FOR NON-RESIDENTS



SUMMER CAMPS & SPRING KIDS CLASSES

THE PALO ALTO JUNIOR MUSEUM & ZOO

Summer Camps 2017

Junior Museum & Zoo

1451 Middlefield Road
 Palo Alto, CA 94301
 Phone: 650-329-2111
www.cityofpaloalto.org/jmz

A \$5 donation per person is suggested for admission.

Group Visits and Field Trips

Groups of 10 or more, please call (650) 329-2111 to make a reservation. Fee: \$5 per student. Teachers and adult chaperones are free.

“To engage a child’s curiosity in science and nature”

HOURS	
Monday	CLOSED
Tuesday - Saturday	10am - 5pm
Sunday	1pm - 4pm

Club JMZ-only hours: 1st and 3rd Sunday of each month, 11am - 1pm

Join Club JMZ in person or online at www.friendsjmz.org, or call for more information: (650) 326-6338

Summer Camp Schedule 2017:

WEEK	BAY CAMP	CAMP OCEANA	JURASSIC CAMP	WILDLIFE CAMP	CAMP KINETIC		ZOO CAMP		SCIENCE FOR PRESCHOOL	SCIENCE FOR KINDERS
					Girl Scout House	JMZ	JMZ	Zoo Yard		
June 12 - June 16	■		■		▲		■	●	⬡	★
June 19 - June 23	▲		■		■		■	●	⬡	★
June 26 - June 30	■		■		■		■	▲	⬡	★
July 3 - July 7	■				■		▲	■	⬡	★
July 10 - July 14	■				▲	■		■	⬡	★
July 17 - July 21		■		■	■	▲		▲	⬡	★
July 24 - July 28	■	▲		■	■	●		■	⬡	★
July 31 - Aug 4	▲	■		■	■	●		■	⬡	★
Aug 7 - Aug 11	■	■		▲	■			▲		

⬡ children ages 3 to 5 **not** entering Kindergarten in the fall

★ children entering Kindergarten in the fall

■ children exiting Kinder through 2nd grades

▲ children exiting 3rd and 4th grades

● children exiting 5th and 6th grades

Cover Photo: Canoeing field trip with Bay Camp.
 Photo credit: Bill Gutoff

SUMMER CAMPS

Preschool to 7th Grade

Science Camps at the JMZ

Join us for a summer of learning, adventure and fun! Six different hands-on, weeklong science camps are available for kids exiting Kindergarten through 6th Grade. Children ages 3-5 can sign up for 2-week long half-day camps providing a variety of early science experiences with chemistry, physics, botany, geology, zoology, construction, mathematics, electricity and more! Children exiting 7th grade through 10th grade can participate in a job skills mentoring program as Science Camp Assistants (SCAs). Whether you're just starting out on your journey of discovery, or you're a young adult ready to help, the Junior Museum is the place to be this summer!

Science Camp Assistant Program

Students exiting 7th through 10th grades can gain experience teaching science and working with kids! SCAs help JMZ Camp staff prepare and run camp activities. This is a great opportunity to learn more science and investigate future work as a science camp counselor. High school students may also apply the hours they spend in this program toward their community service graduation requirement. Acceptance into this job training program is not guaranteed. To apply, complete and submit a SCA application by March 18th and interviews will be scheduled. You may obtain an application at the Junior Museum & Zoo, by emailing alex.hamilton@cityofpaloalto.org, or by calling 650-329-2111. Interviews will be scheduled and conducted during the month of April. Course dates are for the entire summer. Schedules will be set on an individual basis, but a 2-WEEK MINIMUM is required (2 consecutive weeks). Fees listed are for a 2-week session, and will be pro-rated for Tuesday, July 4th.

Age: For students exiting 7th through 10th Grades

Hours: 8:30 a.m. – 3:00 pm

2-Week Fee: \$103R/\$118NR

Location: Junior Museum & Zoo, Girl Scout House, Stern Fireside Room, and Baylands Nature Center

Science Camp Locations

Palo Alto Junior Museum & Zoo: 1451 Middlefield Rd. Palo Alto.

JMZ Science Labs: Located within the Junior Museum & Zoo.

JMZ Zoo Yard: Located within the Junior Museum & Zoo in the zoo's back-of-house.

Girl Scout House: Located next to the Junior Museum & Zoo, adjacent to Rinconada Park.

Lucie Stern Fireside Room: Located within the Lucie Stern Community Center at 1305 Middlefield Road, just across the parking lot from the Junior Museum & Zoo.

Baylands Nature Center: 2775 Embarcadero Way, Palo Alto. Located at the end of Embarcadero Road past Highway 101, approximately 10-15 minutes from the Junior Museum & Zoo.

Arastradero Park Gateway Facility: 1530 Arastradero Road, Palo Alto. Located at the end of Arastradero Road past Highway 280, approximately 15-20 minutes from the Junior Museum & Zoo.

Pre & Post Camp for JMZ Camps

Girl Scout House - 1451 Middlefield Road

Pre Camp: (8:00am - 9:00am)

Post Camp: (2:30pm - 6:00pm)

Join us before, and/or after camp for more fun activities! Campers will play games, create works of art and much more. Please make sure that the Pre and/or Post Camp you are signing up for matches the dates of your camp session. Enrollment in this camp is limited to campers enrolled in JMZ science camps for students exiting Grades Kinder through 4th. There is no Pre Camp for Wildlife camp.

Pre Camp will be held at the Girl Scout House next to the Junior Museum and Zoo. Registration for Pre Camp will be available until 5:00 on the Thursday before camp starts.

Pre Camp: (8:00am - 9:00am)

#	Age	Classes	Dates	1 Week Price
9830	K - 4G	5	6/12 - 6/16	\$43R/\$49NR
9831	K - 4G	5	6/19 - 6/23	\$43R/\$49NR
9832	K - 4G	5	6/26 - 6/30	\$43R/\$49NR
9833*	K - 4G	4*	7/3 - 7/7	\$34R/\$36NR
9834	K - 4G	5	7/10 - 7/14	\$43R/\$49NR
9835	K - 4G	5	7/17 - 7/21	\$43R/\$49NR
9836	K - 4G	5	7/24 - 7/28	\$43R/\$49NR
9837	K - 4G	5	7/31 - 8/4	\$43R/\$49NR
9838	K - 4G	5	8/7 - 8/11	\$43R/\$49NR

*No camp Tuesday, July 4th.

Post Camp: (2:30pm - 6:00pm)

#	Age	Classes	Dates	1 Week Price
9839	K - 4G	5	6/12 - 6/16	\$151R/\$173NR
9840	K - 4G	5	6/19 - 6/23	\$151R/\$173NR
9841	K - 4G	5	6/26 - 6/30	\$151R/\$173NR
9842*	K - 4G	4*	7/3 - 7/7	\$121R/\$138NR
9843	K - 4G	5	7/10 - 7/14	\$151R/\$173NR
9844	K - 4G	5	7/17 - 7/21	\$151R/\$173NR
9845	K - 4G	5	7/24 - 7/28	\$151R/\$173NR
9846	K - 4G	5	7/31 - 8/4	\$151R/\$173NR
9847	K - 4G	5	8/7 - 8/11	\$151R/\$173NR

*No camp Tuesday, July 4th.

SUMMER CAMPS

Camp Descriptions

Use the grade your child JUST COMPLETED in the spring as his/her grade for camp registration. GRADE LEVEL REQUIREMENTS ARE STRICTLY ENFORCED.

Bay Camp

Baylands Nature Center - 2775 Embarcadero Way
(9:15am - 2:45pm)

Come spend a week discovering our very own Salt Marsh!! Each day we will have a different theme to explore through engaging activities. You will be a fisherman and a scientist, traverse Byxbee Park, and paddle the Baylands sloughs in canoes for a closer look at the plants and birds. Be prepared to be out in the sun and to get a bit muddy or wet while you learn about this special habitat. Daily games and arts & crafts activities will complement the days' themes, so bring your imagination! Pre and Post Camp are available - see our Pre and Post Camp section on page 2.

#	Age	Classes	Dates	1 Week Price
9783	K - 2G	5	6/12 - 6/16	\$379R/\$433NR
9784	3G - 4G	5	6/19 - 6/23	\$379R/\$433NR
9785	K - 2G	5	6/26 - 6/30	\$379R/\$433NR
9786*	K - 2G	4*	7/3 - 7/7	\$304R/\$348NR
9787	K - 2G	5	7/10 - 7/14	\$379R/\$433NR
9788	K - 2G	5	7/24 - 7/28	\$379R/\$433NR
9789	3G - 4G	5	7/31 - 8/4	\$379R/\$433NR
9790	K - 2G	5	8/7 - 8/11	\$379R/\$433NR

*No camp Tuesday, July 4th.

Camp Oceana

JMZ Science Lab 1 - 1451 Middlefield Road
(9:00am - 2:30pm)

Investigate the mysteries of the deep. Learn about underwater volcanoes and mountains, ocean creatures and plants, and things that sparkle in the darkest parts of the sea. Join us to explore the biology, geology and chemistry of the sea. The week of July 24th, campers will take a study trip to Pillar Point State Beach! Pre and Post Camp are available - see our Pre and Post Camp section on page 2.

#	Age	Classes	Dates	1 Week Price
9791	K - 2G	5	7/17 - 7/21	\$379R/\$433NR
9792	3G - 4G	5	7/24 - 7/28	\$379R/\$433NR
9793	K - 2G	5	7/31 - 8/4	\$379R/\$433NR
9794	K - 2G	5	8/7 - 8/11	\$379R/\$433NR

Jurassic Camp

JMZ Science Lab 2 - 1451 Middlefield Road
(9:00am - 2:30pm)

Learn all about dinosaurs and geology in this incredible exploration of the earth. Examine real dinosaur fossils, make casts of fossils and conduct a fossil dig. Build a volcano, investigate rocks and minerals and start your own rock collection. Pre and Post Camp are available - see our Pre and Post Camp section on page 2.

#	Age	Classes	Dates	1 Week Price
9798	K - 2G	5	6/12 - 6/16	\$379R/\$433NR
9799	K - 2G	5	6/19 - 6/23	\$379R/\$433NR
9800	K - 2G	5	6/26 - 6/30	\$379R/\$433NR

Camp Kinetic

Girl Scout House & JMZ Science Lab 1 - 1451 Middlefield Road
(9:00am - 2:30pm)

This highly charged camp will make your hair stand on end! Join us to explore physics and chemistry. We'll be building, breaking, floating and squishing all sorts of contraptions and gooey concoctions. Pre and Post Camp are available - see our Pre and Post Camp section on page 2.

Camp Kinetic at the Girl Scout House:

#	Age	Classes	Dates	1 Week Price
9801	3G - 4G	5	6/12 - 6/16	\$379R/\$433NR
9802	K - 2G	5	6/19 - 6/23	\$379R/\$433NR
9803	K - 2G	5	6/26 - 6/30	\$379R/\$433NR
9804*	K - 2G	4*	7/3 - 7/7	\$304R/\$348NR
9805	3G - 4G	5	7/10 - 7/14	\$379R/\$433NR
9806	K - 2G	5	7/17 - 7/21	\$379R/\$433NR
9807	K - 2G	5	7/24 - 7/28	\$379R/\$433NR
9808	K - 2G	5	7/31 - 8/4	\$379R/\$433NR
9809	K - 2G	5	8/7 - 8/11	\$379R/\$433NR

*No class July 4th

Camp Kinetic at the JMZ - Science Lab 1

#	Age	Classes	Dates	1 Week Price
9810	K - 2G	5	7/10 - 7/14	\$379R/\$433NR
9811	3G - 4G	5	7/17 - 7/21	\$379R/\$433NR
9812	5G - 6G	5	7/24 - 7/28	\$379R/\$433NR
9813	5G - 6G	5	7/31 - 8/4	\$379R/\$433NR

Science for Preschoolers Camp

Lucie Stern Fireside Room - 1305 Middlefield Road
(9:30am - 12:00pm)

This special two-week camp provides preschoolers with a fun introduction to zoology, botany, physics and chemistry. Activities are the same each session during the summer. Camp projects change from year to year, but we do repeat many favorite projects. Parents are welcome (but not required) to attend the first few classes. Children must be toilet-trained and able to use the bathroom independently to attend. Participants in this camp MAY NOT sign up for Science for Kinders. AGE LEVEL REQUIREMENTS ARE STRICTLY ENFORCED.

#	Age	Classes	Dates	1 Week Price
9852	3Y - 4Y	10	6/12 - 6/23	\$379R/\$433NR
9853*	3Y - 4Y	9*	6/26 - 7/7	\$304R/\$348NR
9854	3Y - 4Y	10	7/10 - 7/21	\$379R/\$433NR
9855	3Y - 4Y	10	7/24 - 8/4	\$379R/\$433NR

*No camp Tuesday, July 4th.

Science for Kinders Camp

Lucie Stern Fireside Room - 1305 Middlefield Road
(12:30pm - 3:00pm)

Kindergarteners will enjoy this introduction to the best science of the Junior Museum & Zoo in this two-week camp. We will explore chemistry, physics, botany and zoology in this hands-on, minds-on science camp. Activities are the same each session during the summer. Camp projects change from year to year, but we do repeat many favorite projects. This camp is designed for children who will begin kindergarten in the fall. Science for Preschoolers participants MAY NOT also sign up for this camp. AGE LEVEL REQUIREMENTS ARE STRICTLY ENFORCED.

#	Age	Classes	Dates	1 Week Price
9848	5Y - 6Y	10	6/12 - 6/23	\$379R/\$433NR
9849*	5Y - 6Y	9*	6/26 - 7/7	\$304R/\$348NR
9850	5Y - 6Y	10	7/10 - 7/21	\$379R/\$433NR
9851	5Y - 6Y	10	7/24 - 8/4	\$379R/\$433NR

Activities are the same each week during the summer. Our camp projects change from year to year, but we do repeat many favorite projects.

Zoo Camp

JMZ Science Lab 2 & JMZ Zoo Yard- 1451 Middlefield Road
(9:00am - 2:30pm)

Learn all about our zoo animals! Learn about animal behavior, habitat, anatomy and diet. Find out what it takes to be a zookeeper by participating in the zoo's daily activities. This is a great opportunity to get behind the scenes at the zoo. Pre and Post Camp are available - see our Pre and Post Camp section on page 2.

Zoo Camp at JMZ - Zoo Yard

#	Age	Classes	Dates	1 Week Price
9821	5G - 6G	5	6/12 - 6/16	\$379R/\$433NR
9822	5G - 6G	5	6/19 - 6/23	\$379R/\$433NR
9823	3G - 4G	5	6/26 - 6/30	\$379R/\$433NR
9824*	K - 2G	4*	7/3 - 7/7	\$304R/\$348NR
9825	K - 2G	5	7/10 - 7/14	\$379R/\$433NR
9826	K - 2G	5	7/17 - 7/21	\$379R/\$433NR
9827	K - 2G	5	7/24 - 7/28	\$379R/\$433NR
9828	K - 2G	5	7/31 - 8/4	\$379R/\$433NR
9829	3G - 4G	5	8/7 - 8/11	\$379R/\$433NR

Zoo Camp at JMZ - Science Lab 2

#	Age	Classes	Dates	1 Week Price
9817	K - 2G	5	6/12 - 6/16	\$379R/\$433NR
9818	K - 2G	5	6/19 - 6/23	\$379R/\$433NR
9819	K - 2G	5	6/26 - 6/30	\$379R/\$433NR
9820*	3G - 4G	4*	7/3 - 7/7	\$304R/\$348NR

*No camp Tuesday, July 4th.

Wildlife Camp

Arastradero Park Gateway Facility - 1530 Arastradero Road
(8:30am - 2:00pm)

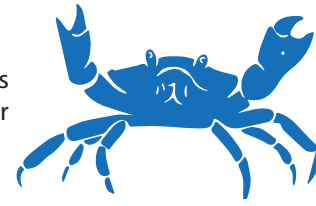
We're getting wild at Arastradero Park this summer with a camp that's full of adventure and fun in the great outdoors. We'll be hiking daily, tracking animals, investigating botanicals, and reliving life styles of the past. Pre Camp not available for Wildlife Camp, but Post Camp is available - see our Pre and Post Camp section on page 2.

#	Age	Classes	Dates	1 Week Price
9856	K - 2G	5	7/17 - 7/21	\$379R/\$433NR
9857	K - 2G	5	7/24 - 7/28	\$379R/\$433NR
9858	K - 2G	5	7/31 - 8/4	\$379R/\$433NR
9859	3G - 4G	5	8/7 - 8/11	\$379R/\$433NR

SPRING PRESCHOOL CLASSES

Ages 3 to 5

Give your young scientist an amazing experience of exploration and discovery in one of our hands-on classes designed especially for inquisitive preschoolers, 3-5 years old. In all of our preschool classes, a parent or caregiver must attend with the child. Sorry, but unregistered siblings are not allowed in class.



CLASS	#	DAY	DATES	TIME	AGE	WEEKS	LOCATION	PRICE
Newton in Motion	10005	WEDNESDAY	Apr 12 - Apr 26	10:00am - 10:45am	3 - 5Y	3	Science Lab 2	\$66R/\$74NR
Discovery Wednesdays	10007		Apr 12 - May 24	2:00pm - 2:45pm	3 - 5Y	7	Science Lab 2	\$140R/\$158NR
Marsh Muckers	10006		May 3 - May 24	10:00am - 10:45am	3 - 5Y	4	Science Lab 2	\$87R/\$99NR
Dinosaurs	10009	THURSDAY	Apr 13 - Apr 27	10:00am - 10:45am	3 - 5Y	3	Science Lab 2	\$66R/\$74NR
Discovery Thursdays	10011		Apr 13 - May 25	11:30am - 12:15pm	3 - 5Y	7	Science Lab 2	\$140R/\$158NR
Animal Homes	10010		May 4 - May 25	10:00am - 10:45am	3 - 5Y	4	Science Lab 2	\$87R/\$99NR
Discovery Fridays	10012	FRIDAY	Apr 14 - May 26	10:00am - 10:45am	3 - 5Y	7	Science Lab 2	\$140R/\$158NR
Discovery Fridays	10013		Apr 14 - May 26	11:15am - 12:00pm	3 - 5Y	7	Science Lab 2	\$140R/\$158NR
Discovery Fridays	10014		Apr 14 - May 26	1:00pm - 1:45pm	3 - 5Y	7	Science Lab 2	\$140R/\$158NR

Animal Homes

Discover how animals choose their homes and why they build them the way they do. Look at a variety of homes from spider webs to bird nests and try your hand at building one.

Dinosaurs

Do you dig dinosaurs? Find out more about these fascinating prehistoric animals, look at our collection of fossils, and make your own cast to take home.

Discovery Wednesdays, Thursdays, and Fridays

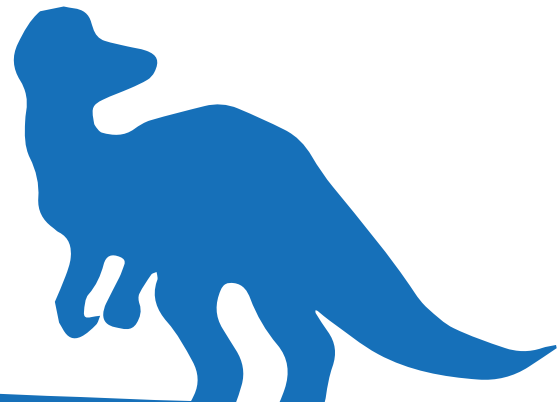
Discover a smorgasbord of science at the Junior Museum and Zoo. Each week, we'll explore a variety of exciting science topics. Activities change each session, quarter and year, so you can sign up again and have new adventures. Discovery Wednesdays, Discovery Thursdays, and Discovery Fridays contain similar content.

Marsh Muckers

Learn about the birds, fish and plants that live in the salt marsh. Marvel at the tiny creatures that inhabit marsh mud. Wrap up this class with a field trip to the Palo Alto Baylands.

Newton in Motion

In this action-packed class, young scientists will perform experiments with motion, exploring Newton's laws and discoveries.



SPRING AFTERSCHOOL CLASSES

Kinder to 5th Grade

Does your elementary school-aged child love science? Have them join us after school for one of our many hands-on afterschool science classes!



Check out our advanced science topics for 4th and 5th graders on Thursday afternoons.

CLASS	#	DAY	DATES	TIME	AGE	WEEKS	LOCATION	PRICE
Darwin's Garden	10015	TUESDAY	Apr 18 - May 2	2:45pm - 3:30pm	5 - 6Y	3	Science Lab 2	\$66R/\$74NR
Darwin's Garden	10016		Apr 18 - May 2	4:00pm - 4:45pm	Gr. 1-3	3	Science Lab 2	\$66R/\$74NR
Locomotion	10017		May 9 - May 30	2:45pm - 3:30pm	5 - 6Y	4	Science Lab 2	\$87R/\$99NR
Locomotion	10018		May 9 - May 30	4:00pm - 4:45pm	Gr. 1-3	4	Science Lab 2	\$87R/\$99NR
Science Sleuths for Kinders	10019	WED	Apr 12 - May 24	3:30pm - 4:15pm	5 - 6Y	7	Science Lab 2	\$140R/\$158NR
Forensic Entomology	10020	THURSDAY	Apr 13 - Apr 27	3:30pm - 4:30pm	Gr. 4-5	3	Science Lab 2	\$66R/\$74NR
Sound Science	10021		May 4 - May 25	3:30pm - 4:30pm	Gr. 4-5	4	Science Lab 2	\$87R/\$99NR



Darwin's Garden

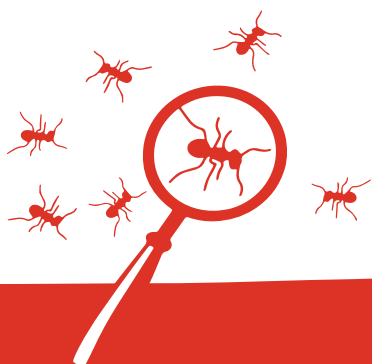
Plants are no just Mother Nature's idea of pretty home decorating. Plants are warriors in a battle for survival which mirrors that of their animal neighbors. They hunt. They move. They protect themselves. They even have primitive "brains." This class may change the way you think about plants!

Locomotion

Swoosh! Buzz! Zoom! Learn physics while you build planes, boats and cars in this bang up class. Join us to design and construct your own miniature moving vehicles.

Forensic Entomology

Do you want to solve crimes? Do you love insects? Then this is the class for you! Join us to learn about some amazing insects that help scientists solve crimes and do some sleuthing of your own. Learn how to pinpoint time and location of death, whether or not poison was involved, and much more... all with the help of our six-legged friends.



Science Sleuths for Kinders

Dive into science at the JMZ. Each week, we'll explore a variety of exciting science topics. Join us and learn about things that chirp, fizz and zoom. Activities change each session, quarter and year, so you can sign up again and have new adventures! This class is designed for kindergarteners. Preschoolers interested in similar content may enroll in Discovery Wednesdays or Discovery Fridays.

Sound Science

What is the nature of sound? What does acoustic science have to do with music, math, architecture, language and biology? Join us for a very hands-on exploration of this invisible yet ever-present part of our lives. Experiment with the acoustics of various materials and shapes. Construct musical instruments and sound generating machines. Create a picture of your own voice by tracking the sound waves that make it up. And learn how different sounds can change our mood or alter our perception!



EARTH DAY FESTIVAL

Great Race for Saving Water



SATURDAY APRIL 22nd 9AM - 3PM

Join us for the Earth Day Festival and 5k Fun Run/Walk

RACE STARTS AT 9AM AT PALO ALTO BAYLANDS ATHLETIC CENTER

The City of Palo Alto has teamed up with sponsors to present the 2017 Earth Day Festival & Great Race for Saving Water. This celebration of Earth Day will include activities, art, live music, prizes, zoo animals, bike tours, bird walks, food and fun for the whole family. The day starts off with the family-friendly Great Race for Saving Water, a fun 5k race and walk-a-thon to raise awareness about water conservation.

For details and to register for the race, visit: cityofpaloalto.org/earthday

