



2006 Summer Science Camp Edition

Registration begins March 1, 2006

YSI Thrift and Gift Store Remodeled

Between December 17th and January 2nd, a lot more happened for YSI's Guild volunteers than simply the hustle and bustle of the holidays. Over a 17-day period, with one day off on December 25th, 78 volunteers spent over 1000 hours remodeling the 13-year-old store on Alum Rock Avenue in East San Jose.

Focusing primarily on the sales floor in this phase of upgrading, the transformation included a new store layout, an energy-saving lighting retro-fit, new 10-foot shelving, fresh paint, and flooring repairs. Not to mention that every nook, cranny, and crevice was cleaned and dusted.

Karen Tatro, a founding member of YSI's Guild which operates the Thrift Store, initiated the project and was its project manager. She and her husband Tom spend many hours each year maintaining and repairing things at the store. Guild members felt the Thrift and Gift was due for a remodel.

Photo by Karen Tatro



Don Beukers preparing "Open" sign.

In the spring of 2005, Karen was looking in the phone book and happened upon Gensler Retail Design Firm, a local company with clients world-wide. Her call to them resulted in their donation of both layout and color advice. Soon thereafter, Guild volunteers went to Valley Fair to purchase and move beautiful wooden retail shelves as Organized Living went out of business. Additional fixtures were donated by John Kettmann when his retail store on Alum Rock Avenue closed.



Photo by Karen Tatro

Jo Schweizer (left), Co-store manager, and Karen Tatro.

Planning continued throughout the fall, with input from Guild members on how to make the store more functional. Sales were brisk leading up to the holidays. Still, it took two days to sort the remaining merchandise on the floor to pack away or donate to other agencies like Sacred Heart Community Services.

Everyday throughout the remodel, 15-30 volunteers came down to the store to pitch in, doing everything from scraping tape off the floor to installing shelving and restocking. Many volunteers came several days in a row. When the store reopened on January 3rd, customers were waiting outside, and the store had an all-time record sales day!

The YSI Board and Guild held a grand re-opening party to thank the remodel volunteers, as well as the 100+ Guild members who give tirelessly to operate the store, which generates 10% of YSI's operating income each year.

"This project would not have been possible without the incredible dedication of all the Guild volunteers, and the family and friends who also pitched in with their construction skills and elbow grease. It was a team effort from start to finish," stated Karen as she thanked those gathered at the party.

The Thrift and Gift Store is a member of the Alum Rock Merchants Association, and YSI is proud to actively contribute to the vibrancy of the Alum Rock community, with both the store and its Science and Nature Center at Alum Rock Park. The YSI Guild welcomes your donations of goods, and invites you to shop the store! Please see page 6 for store contact information.



Gratitude For Our Donors

Founded in 1953, **Youth Science Institute** is dedicated to providing and enriching science education in schools and the community. We engage 30,000 Pre-K – 12th grade children annually. Program Fees cover only 43% of our cost to operate our centers and deliver programs. We are deeply grateful to our Donors and Supporters who underwrite the balance with their investments in our mission.

Donors

November 2005 through January 2006

\$25,000 and up

Claire Gianinni Fund

\$10,000 - \$15,000

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Los Gatos Dog and Cat Hospital
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Santa Clara County Parks
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In Memory of Marianne Montgomery

by Elizabeth LeMat
Barbara Chaid
by George & Marjorie
Honoré

Lorraine Boccardo

by James E. Rees



In Honor of Lynan & Sara Saperstein

by Jeffrey & Teresa
Saperstein

City of San Jose Awards \$5000

The City of San Jose Environmental Services Department through its Youth Watershed Education Grant Program has awarded \$5,000 to help restore YSI's Organic Demonstration Garden at our Sanborn Center. These funds will enable us to add new educational signage as well as renovate and replant the vegetable and native plant beds.



Photo by Karen Tatro

Guild members ready to greet customers opening day.

Thrift Store Remodel Volunteers

Bill Ackley	Kathy Elliott	Eileen Parks	Becky Soffiotto
Karl Ball	Loretta Franco	Pat Pelley	Alberta Talley
Valerie Ball	Miki Gash	Jeffie Peoples	Joan Tambling
Lena Bermudez	Polly Gause	Sharon Pereira	Karen Tatro
Don Beukers	Bruce Goedde	Edie Pricolo	Tom Tatro
Mary Ellen Beukers	Carol Goedde	Irene Putnam	Maureen Tellez
Jan Bockmeier	Judy Gordon	Pat Rackstraw	Nancy Valby
Cindy Bond	John Henry	Gary Rauh	George Valby
Neila Brenke	Patti Henry	Lenora Rodericks	Fredo Valby
Travis Cook	Marjorie Honoré	Lynne Rosenthal	Sharon Van Fossen
Jenny Cook	Jon Honoré	Carol Sabatino	Barbara Vandeweghe
Greg Corbin	Marty Imwalle	Murphy Sabatino Jr.	Marilyn Vierra
Jan Croad	Helen Jarvis	Bill Santos	Marcia Vosti
Jean Deamer	Sita Kern	Jo Schweizer	Gloria Williams
Kika DePonte	Gunther Kern	Midge Siegfried	George Williams
Karen deWeeger	Dell Mass	Ann Sikes	Rick Williams
Marilyn Diamond	Joy Mitchell	Marge Silva	Milli Wright
Erik Doughty	Tom Moore	Margot Small	Judy Zamborelli
Dianne Doughty	Susanne Mulcahy	Shirley Smith	Rob Zamborelli
Floyd Elliott	Charlotte Newman		

Every attempt has been made to ensure the accuracy of our records. Please let us know of any errors or omissions.

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Thanks to our generous partners who support us with financial and in-kind donations.



Golf Classic to Benefit Classroom Expansion

The Cupertino Rotary has selected YSI as the beneficiary of its Hanson Rotary Golf Classic on May 6, 2006. YSI was chosen from a field of very qualified applicants to receive the \$25,000 matching grant.

Upon learning YSI was selected, Executive Director Susanne Mulcahy commented: "We are honored to have been named this year's recipient. This gift is a leadership gift for the final phase of our Capital Campaign for our classroom expansion project, and we are grateful for this opportunity to partner with the dedicated members of the Cupertino Rotary. Their community work makes a positive impact each day."

Rotary members will leverage the \$25,000 gift by seeking community members who want to support YSI's new classroom building by making a gift that will be matched dollar for dollar.

Excellent sponsor packages are available. If you are interested in becoming an event sponsor, registering a foursome or volunteering at the event, all to benefit YSI, please contact *Leyla Gunduz* at 408.356.4945, or Leyla@ysi-ca.org. To learn more about the Cupertino Rotary, visit www.CupertinoRotary.org.



Photo by Bonnie LeMat

The Vasona Classroom Expansion is underway! Winter rains are not hampering progress, which continues on the project to add two classrooms, storage, and bathrooms. Completion is slated for early summer, with a building dedication in the fall.

Giannini Fund Grant Awarded

YSI has gratefully received a \$25,000 unrestricted grant from the Claire Giannini Fund that will be utilized to support its 2005-06 School Programs.

The special gift was made to honor the Centenary of Mrs. Claire Giannini Hoffman, daughter of Bank of America founder, A.P. Giannini. The Giannini roots reach deeply into San Jose, where A.P. Giannini was born in 1870. YSI is proud to share a San Jose heritage, with its founding in 1953 at San Jose's Alum Rock Park, the oldest municipal park in California.

Mrs. Giannini Hoffman was especially committed to children's education and the environment, making this gift particularly meaningful. YSI will honor her legacy by continuing to partner with nature to teach kids science with excellence and passion.

YSI Endorses County Parks Charter Fund

The YSI Board of Directors recently voted a unanimous endorsement in favor of the Santa Clara County Park Charter Fund, which is up for renewal in the June 2006 elections.

"Everyone in the County benefits from the Park Charter Fund, because it provides stable revenue for our County Park system, and it is not a new or additional tax," said YSI's Executive Director Susanne Mulcahy before the endorsement vote. She concluded, "With two of our three Science and Nature Centers located in Vasona and Sanborn County Parks, YSI and the 30,000 children we teach annually are directly supported by these funds. It's imperative that we urge our supporters and the broad community we serve to vote yes on the Park Charter Fund in June."

The Park Charter Fund impacts the entire park system, which includes over 260 miles of trails, 10 reservoirs, and almost 45,000 acres in 28 regional parks. The County Board of Supervisors unanimously voted to place the Park Charter Fund Renewal on the June ballot for a vote of the public. The fund has been the primary source of funding for County Parks since 1972 and was last renewed by over 80% of the voters. The current set-aside equates to less than 1% of the county's total budget.

The Park Charter Fund is not a new or additional tax. It is a small set-aside of existing property taxes that is devoted to the management and expansion of the Santa Clara County Park system. In the next 20 years, the County is projected to grow by another 400,000 residents to a population of over 2 million. The June ballot measure would extend the current County Parks Charter amendment through the end of 2021 and provide an assured level of funding for County Parks acquisition, development and operation.

To learn more about Santa Clara County Parks, which is celebrating 50 years in service, go to www.parkhere.org. For information on the Park Charter Fund, go to www.YesOnParks.com.



After-School Science Classes

To register call 408.356.4945 x10 or use the form on page 11.
Please give at least one day's notice when registering.

Vasona

Fee - \$15 per child, per class
Times - 3:45 – 5:00 P.M.

Monday - Pre-K - K
Tuesday - K - 1st grade
Wednesday - 1st - 2nd grade
Thursday - 2nd, 3rd, 4th grades

Alum Rock

Fee - \$12 per child, per class
Time - 3:45 - 4:45 P.M.
Tuesdays - Pre-K - 4th grade

Sanborn

Fee - \$12 per child, per class
Time - 3:45 - 4:45 P.M.
Thursdays - Pre-K - 4th grade

The Tortoise and The...Turtle?!

What is the difference between a turtle and a tortoise? Find out as you observe and feed live reptiles. Meet our native tortoise and make your own turtle project to wear home!

Vasona: March 27-30
(Code: V3-27M,V3-28T, V3-29W, V3-30Th)
Alum Rock: April 4 (Code: A4-4T)
Sanborn: April 6 (Code: S4-6Th)

Radical Reactions

Discover chemical reactions that occur every day. Perform science experiments and make a rocket powered by a radical reaction.

Vasona: April 3-6
(Code: V4-3M,V4-4T, V4-5W, V4-6Th)
Alum Rock: April 11 (Code: A4-11T)
Sanborn: April 13 (Code: S4-13Th)

Spring Has Sprung

Blossoming trees, sunny days, buzzing bugs, chirping birds...do you see any signs of spring? Join us as we observe the seasonal transitions. Discover why seasons change, and celebrate the rejuvenation of life that occurs each year.

Vasona: April 10-13
(Code: V4-10M,V4-11T,V4-12W, V4-13Th)
Alum Rock: April 18 (Code: A4-18T)
Sanborn: April 20 (Code: S4-20Th)

Mighty Motion

Vrrrrroooooom! Let's explore different devices that move. Race your way to the finish line as you investigate Newton's laws of motion.

Vasona: April 17-20
(Code: V4-17M,V4-18T, V4-19W, V4-20Th)
Alum Rock: April 25 (Code: A4-25T)
Sanborn: April 27 (Code: S4-27Th)

Impact Earth

It's a bird, it's a plane, it's...an asteroid! We will search the skies and examine the scars left behind from Earth's encounters with space debris. Discover the difference between comets, asteroids, meteors and meteorites. Explore types of impacts and make a dry ice comet.

Vasona: April 24-27
(Code: V4-24M,V4-25T, V4-26W, V4-27Th)
Alum Rock: May 2 (Code: A5-2T)
Sanborn: May 4 (Code: S5-4Th)

The Birds and the Bees

Bzzzz...goes the bee. Explore the important role birds and insects play in pollination. Take a hike to look for these creatures in action and make a flower craft to take home.

Vasona: May 1-4
(Code: V5-1M,V5-2T, V5-3W, V5-4Th)
Alum Rock: May 9 (Code: A5-9T)
Sanborn: May 11 (Code: S5-11Th)

Trail Mix

Come on! Let's go for a hike! Discover nature as we explore the park. Learn safety tips and trail etiquette. Enjoy hiking games, activities, and make your own trail mix to snack on.

Vasona: May 8-11
(Code: V5-8M,V5-9T, V5-10W, V5-11Th)
Alum Rock: May 16 (Code: A5-16T)
Sanborn: May 18 (Code: S5-18Th)

Structurally Strong

Just how strong are everyday materials? Make and test a variety of structures such as bridges, frames and containers in our engineering adventure. Try to secure objects on, in or around the structures you make.

Vasona: May 15-18
(Code: V5-15M,V5-16T, V5-17W, V5-18Th)
Alum Rock: May 23 (Code: A5-23T)
Sanborn: May 25 (Code: S5-25Th)

Creatures of the Deep

Travel to the depths of the oceans as we explore the weird and highly specialized world of deep ocean fish. From huge eyes and fangs to bioluminescence, these creatures really do seem out of this world. Make your own viper fish to take home and "light up" your nights.

Vasona: May 22-25
(Code: V5-22M,V5-23T, V5-24W, V5-25Th)
Not offered at Alum Rock or Sanborn.



Photo by Bonnie LeMat

After-school Science Class
microscope study.



Programs for Families and Kids



Science Safaris

Fee: \$12/adult, \$6/student (high school and under)
 Preregistration required.
 Register by calling 408.356.4945, faxing 408.368.3683
 or use form on page 11.

Beach Bums *Science on the shore!*

Join YSI instructors for family-friendly hands-on science fun at the beach. Highlights include shorebird watching, beach creature identification and frisbee physics. Bring your binoculars or borrow ours for a stroll along the beach where our staff will identify birds and discuss shorebird ecology. We'll take a break from bird watching to dig through the sand in search of critters beneath our feet. Toss a flying disc, a favorite toy of beachgoers, for some fun and a lesson on the physics of flight. What would a day at the beach be without a little recreation and a lot of science?

Who: All ages with parent chaperone

Where: Capitola/Santa Cruz Area*

When: Saturday, March 25, 2006

9:30 A.M. - 12:30 P.M.

Code: SS03-25V

Leader: YSI instructors

*Exact location details given upon registration.



Starry Safari

Telescope viewing for the whole family!



Our amateur astronomers will lead the group in a short discussion and activity time followed by telescope viewing (weather permitting). We will focus our scopes on the Moon, Saturn, Mars, the Orion Nebula and more. Join us for an evening of astronomy fun!

Who: All ages with parent chaperone

Where: Alum Rock Park, San Jose

When: Tuesday, April 4, 2006

7:15 P.M. - 9:15 P.M.

Leader: Heather McFarland, Senior Instructor

Code: SS04-04A

YSI Insect Fair



Sanborn Park, Saratoga

Saturday, May 20, 2006, 10 A.M. to 4 P.M.

Walking sticks, silkworms and hissing cockroaches will be there, so why not you? At this family-oriented, hands-on event children and adults get an up-close look at live insects, spiders, scorpions, millipedes and more. YSI instructors and volunteers will be on hand to answer your questions.

To add to the fun there will be children's crafts, face painting and a bug-themed bake sale.

Free admission. Park entry fee is \$5 per car.

For more information call YSI at 408.356.4945.



Forest Conservation Days

Sanborn Park, Saratoga

Saturday and Sunday, March 25 - 26, 2006

Don't miss this tree-mendous, family-friendly event! Every spring the Northern California Society of American Foresters hosts a fascinating array of interactive exhibits and activities including a steam donkey, sawmill, tree nursery, a guided nature walk and an instructor-lead tour of **Youth Science Institute's Sanborn Science and Nature Center.**

Free admission. Park entry fee is \$5 per car.

For more information call Thomas Catchpole at 559.855.2194 or visit www.norcalsaf.org/FCD.html.



Children playing tug-of-war with steam donkey engine.

Photo by Daniel Margulies



Team YSI 2006

Sponsor a Rider! Join the Team!



Support
Team
YSI!

This year, Team YSI will participate in two Lake Tahoe Rides: America's Most Beautiful Bike Ride on June 4th, and Tour de Tahoe on September 10th. Both fully supported rides feature a boat cruise and 35-mile ride half way around the lake, or a 72 mile ride around the entire lake.

To sponsor a rider or the Team, or to join Team YSI, visit www.ysi-tahoe.com, or contact Mark Lohbeck, 408.947.3311 or mark.lohbeck@rbcdain.com

100% of net proceeds benefit YSI

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About YSI

YSI offers life, earth, physical and social science programs to schools and the community. Visit our website at www.youthscience.org or call 408.356.4945.

School and Group Programs – Pre-K to 12th

Hands-on interactive science programs complement the California State Science Standards to help classroom teachers meet state and local requirements. 30,000 school children participate each year.

After-School Science Classes – Pre-K to 4th

Offered weekly during the school year, these enriching classes incorporate math, science, art, music and language into small-group, hands-on activities.

Family Science Safaris – Children and Adults

A variety of indoor and outdoor programs for the entire family are presented by specialists in their fields, including night hikes, astronomy viewings, tide pool explorations and more!

Summer Science Day Camps – Pre-K to 6th

160 camps are offered each summer. 2000 children have fun learning science in the park environment. Each small group of 12 to 14 children has one YSI instructor and one camp aide.

Training Future Teachers

After developing a passion for teaching science along with valuable teaching techniques, many of our instructors become school teachers who develop and present engaging science lessons.

Volunteers

Teenagers and adults are given the opportunity to assist with classes, camps, animal care and garden or native plant trail maintenance.

YSI Board of Directors

Nancy Valby

President

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Gil Decker

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Polly Gause

Robert Roadcap

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YSI Staff

Marion Blair - Vasona Office Mgr.

Sophia Bryan - Animal Care Asst.

Kathy Buck-McCuin - Instructor

Mary Carlson - Alum Rock Admin.

Jennifer Chapman - Instructor

Angie Costa - Animal Curator/Sr. Instructor

Jennifer Dorhout Wisselink - Instructor

Linda Franklin - Instructor

Dawn Gerdt - Co-Finance Dir.

Jane Grometer - Instructor

Leyla Gunduz - Community Relations Mgr.

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Amado Hipol - Sr. Instructor

Janet Hoffmann - Sr. Instructor/Garden Specialist

Carrie Jensen - Instructor

Dorothy Johnson - Sr. Animal Curator/Instructor

Mary Kinder - Instructor

Ashley Kinney - Animal Care Asst.

Bonnie LeMat - Education Director

Paul Luna - Receptionist

Glen Marchant - Instructor

Daniel Margulies - Project Director

Heather McFarland - Admin./Sr. Instructor

Susanne Mulcahy - Executive Director

Amanda Petty - Sr. Instructor

Dianna Pallack - Instructor

Ken Sakoi - Facilities Mgr/Education Coordinator

Laura Weiss - Sanborn Admin./Instructor

Sabrina West - Instructor

Patrice Williams - Co-Finance Dir.

Summer Science Camp Schedule

	Alum Rock Park (A)	Sanborn Park (S)	Vasona Park (V)
Week 1 June 12 -16	A1A Animal Friends	S1A Tiny Beasts	V1A Water is Wonderful
	A1B1 Water World	S1B1 Bugology I	V1B Radical Reptiles I
	A1B2 Feathers, Fur and Scales	S1B2 Indian Summer	V1C1 X-treme Animals I
	A1C Bugology II	S1C Phunky Physics I	V1C2 Bike Hike I
	A1D Winged World	S1D Phunky Physics II	V1D1 Bike Hike II
			V1D2 Innovative Engineering
Week 2 June 19 - 23	A2A Water is Wonderful	S2A Plant Power	V2A Animal Friends
	A2B1 Indian Summer	S2B1 Groovy Growing I	V2B1 Feathers, Fur and Scales
	A2B2 Science Sleuths I	S2B2 Radical Reptiles I	V2B2 Water World
	A2C1 Radical Reptiles II	S2C1 Radical Reptiles II	V2C1 Wild Wonders I
	A2C2 Deep Earth, Deep Space I	S2C2 Indians and Pioneers I	V2C2 Phunky Physics I
	A2D Deep Earth, Deep Space II	S2D Indians and Pioneers II	V2D1 X-treme Animals II
		V2D2 Phunky Physics II	
Week 3 June 26 - June 30	A3A Sensational Senses	S3A Water is Wonderful	V3A1 Sensational Senses
	A3B1 Habitat Hunt	S3B1 Indian Summer	V3A2 Jurassic Giants I
	A3B2 Feathers, Fur and Scales	S3B2 Water World	V3B1 Radical Reptiles I
	A3C1 Wild Images I	S3C1 Creek Week I	V3B2 Jurassic Giants II
	A3C2 Creek Week I	S3C2 Groovy Growing II	V3C1 Bike Hike I
	A3D X-treme Animals II	S3D Creek Week II	V3C2 Deep Earth, Deep Space I
		V3D1 Deep Earth, Deep Space II	
		V3D2 Bike Hike II	
No Camps Scheduled July 3 - 7			
Week 4 July 10 - 14	A4A Jurassic Giants I	S4A Animal Friends	V4A Tiny Beasts
	A4B1 Jurassic Giants II	S4B1 Feathers, Fur and Scales	V4B1 Radical Reptiles I
	A4B2 Indian Summer	S4B2 Bugology I	V4B2 Science Sleuths I
	A4C1 Wild Wonders I	S4C1 X-treme Animals I	V4C1 Radical Reptiles II
	A4C2 Animal Planet	S4C2 Bugology II	V4C2 Creek Week I
	A4D Winged World	S4D Creek Week II	V4C3 Something's Fishy I
		V4D1 Innovative Engineering	
		V4D2 Something's Fishy II	
Week 5 July 17 -21	A5A Tiny Beasts	S5A Jurassic Giants I	V5A Animal Friends
	A5B Feathers, Fur and Scales	S5B1 Jurassic Giants II	V5B1 Bugology I
	A5C1 Science Sleuths II	S5B2 Radical Reptiles I	V5B2 Habitat Hunt
	A5C2 X-treme Animals I	S5C1 Animal Planet	V5C1 Phunky Physics I
	A5D1 Wild Wonders II	S5C2 Groovy Growing II	V5C2 Bike Hike I
	A5D2 X-treme Animals II	S5D Nature's Drama	V5C3 Curious Chemistry I
		V5D1 Curious Chemistry II	
		V5D2 Bike Hike II	
Week 6 July 24 - 28	A6A Water is Wonderful	S6A Animal Friends	V6A Plant Power
	A6B Radical Reptiles I	S6B1 Science Sleuths I	V6B1 Feathers, Fur and Scales
	A6C1 Creek Week I	S6B2 Water World	V6B2 Water World
	A6C2 Bugology II	S6C1 Curious Chemistry I	V6C1 Science Sleuths II
	A6D1 Creek Week II	S6C2 Wild Images I	V6C2 X-treme Animals I
	A6D2 Nature's Drama	S6D Wild Images II	V6D1 Phunky Physics II
		V6D2 Winged World	
Week 7 July 31 - August 4	A7A Plant Power	S7A Tiny Beasts	V7A Jurassic Giants I
	A7B1 Water World	S7B1 Feathers, Fur and Scales	V7B1 Bugology I
	A7B2 Jurassic Giants II	S7B2 Bugology I	V7B2 Science Sleuths I
	A7C1 X-treme Animals I	S7C1 Deep Earth, Deep Space I	V7C1 Bike Hike I
	A7C2 Animal Planet	S7C2 Creek Week I	V7C2 Something's Fishy I
	A7D X-treme Animals II	S7D1 Winged World	V7C3 Radical Reptiles II
		S7D2 Deep Earth, Deep Space II	V7D1 Something's Fishy II
			V7D2 Bike Hike II
Week 8 August 7 - 11	A8A Tiny Beasts	S8A Sensational Senses	V8A Water is Wonderful
	A8B1 Bugology I	S8B1 Groovy Growing I	V8B1 Indian Summer
	A8B2 Indian Summer	S8B2 Radical Reptiles I	V8B2 Habitat Hunt
	A8C1 Phunky Physics I	S8C1 X-treme Animals I	V8C1 Wild Images I
	A8C2 Wild Images I	S8C2 Indians and Pioneers I	V8C2 Animal Planet
	A8D1 Wild Images II	S8D1 X-treme Animals II	V8D1 Nature's Drama
	A8D2 Phunky Physics II	S8D2 Indians and Pioneers II	V8D2 Innovative Engineering
Week 9 August 14 - 18	A9A Animal Friends	S9A Water is Wonderful	V9A Tiny Beasts
	A9B1 Science Sleuths I	S9B1 Indian Summer	V9B1 Jurassic Giants II
	A9B2 Radical Reptiles I	S9B2 Bugology I	V9B2 Water World
	A9C1 X-treme Animals I	S9C1 Science Sleuths II	V9C1 Bugology II
	A9C2 Curious Chemistry I	S9C2 Wild Wonders I	V9C2 Bike Hike I
	A9D Curious Chemistry II	S9C3 Bugology II	V9C3 Radical Reptiles II
		S9D Wild Wonders II	V9D1 Bike Hike II
			V9D2 Creek Week II



Summer Science Camp Descriptions

Groups A, B and C

Visit our website www.youthscience.org

Group A – Ages 3½ - 4
Children must have been born by January 1, 2003, and out of diapers and pull-ups.

Animal Friends

Furry chinchillas, scaly snakes, and hopping toads; YSI has many animals in its nature centers. Discover what makes each group of animals special. Make crafts, hear stories, and go on nature walks.

Jurassic Giants I

Take a journey back in time. Dinosaurs and traces of dinosaurs still remain. Let's find them. Examine dinosaurs from head to wing to toe. Learn how they moved, ate and lived on the ground and in the trees. Make your own fossils.

Plant Power

Discover plant mysteries and magic. Use plants in games, activities, and creative recipes. Do experiments with sunlight, air, soil, and water. Take a plant discovery walk, plant seeds, dissect flowers, and dig in the dirt.

Sensational Senses

Can you find your way down a path by smell alone? Can you close your eyes and tell one kind of animal fur from another by touch? We'll explore the world of senses and discover how animals use them to survive.

Tiny Beasts

What is long, round, slimy, has no eyes and lives underground? An earthworm. What is covered with armor, secretes acid and marches in armies? An ant. Experience the world of tiny beasts beneath your feet.

Water is Wonderful

Use buckets, tubes, eyedroppers and straws to make water move, rise and fall. Take a discovery water walk and search for critters. Join us for a week of water-ful fun, crafts, experiments and stories.

Group B –
Entering Kindergarten or 1st in the fall of 2006.

Bugology I

Why learn about animals with four legs when you can explore animals with six or more legs? Look in the air, under the ground, inside logs, and in the creek for these amazing creatures. Study the bugs in YSI's nature center and make a bug of your own.

Feathers, Fur and Scales

Experience the animal world up close and personal. Each day we'll study a different kind of animal from the inside out. Learn how snakes move on their bellies and how owls can see behind themselves. This is your chance to see and touch live animals.

Groovy Growing I

Who lives in the garden? Wiggling worms and roly-poly bugs are just a few of the creatures you will find in YSI's garden. Plant seeds and cuttings; harvest vegetables and herbs. Create crafts from natural materials.

Habitat Hunt

Explore the natural surroundings and search for animal habitats. Discover the history, animals, plants and habitats of the park. Use binoculars and other scientific field equipment. Play games and make crafts from natural materials. Meet some YSI animals.

Indian Summer

Experience the natural environment as we discover how Native Americans used nature for all their needs. Make toys, play games, and tell Native American stories. Examine plants and look for animals while hiking through the park.

Jurassic Giants II

Take a journey back in time. Dinosaurs and traces of dinosaurs still remain. Let's find them. Examine dinosaurs from head to wing to toe. Learn how they moved, ate and lived on the ground and in the trees. Make your own fossils.

Radical Reptiles I

Take an in-depth look at the life of reptiles - snakes, lizards, turtles, dinosaurs and more! Meet and touch live reptiles. Examine reptile skeletons, skin, shells and fossils. Hike and search for reptiles in the park. Compare reptiles with other animals to see what makes them unique. Create radical reptile crafts.

Science Sleuths I

Search for clues, gather evidence, and discover how science can help solve a mystery. From taking fingerprints to tracking animals, find out how detectives, scientists, and animal trackers use the secrets of science. Each day includes experiments and crafts.

Water World

Become a watershed explorer. Discover the mysteries and properties of water by doing experiments, playing games and using microscopes. Meet animals that live in or near the water. Visit the creek to find out what it's like to become a 'wild water' scientist.

Group C –
Entering 2nd through 4th grade in the fall of 2006.

Animal Planet

From cold-blooded reptiles to warm-blooded mammals, animals share our planet. Many have been domesticated as pets. Observe YSI's animals to discover the similarities and differences in animal groups. Learn to care for animals and experience programs such as Guide Dogs for the Blind.

Bike Hike I

Riding a bicycle is YSI's way to learn physics and biology, and explore nature. Join other young cyclists as you practice basic bike repair, safety, riding skills, and trail etiquette. Part of each day will be spent off the bike to explore local ecology.

Participants must bring a bike and know how to ride; no training wheels.

Bugology II

Take a closer look at the mysterious world of arthropods. From insects and spiders to crayfish and millipedes, discover what makes these hard-shelled creatures unique. Use field equipment to observe and examine animals and their homes. See and touch the many bugs at YSI.

Creek Week I

Get your hands wet as you find out what it's like to be an aquatic biologist. Discover living and nonliving characteristics of creeks through exploration, experiments, and activities. Observe and identify creek animals. Use equipment to test the water.

Curious Chemistry I

Join the fun with experiments, demonstrations, and chemistry "magic tricks". Learn about chemical reactions. Discover the properties of acids, bases, solids, liquids, and gases. Become a chemical detective. Identify a mystery substance.

Deep Earth, Deep Space I

Fee exception
Evening of telescope viewing!
Explore deep inside our earth. Discover the cause of landslides, volcanoes, and earthquakes. Find rocks, play earthquake games, and build a volcano. Go beyond our small planet to visit our neighbors in the Solar System. Make a star chart and invite your parents to an evening of telescope viewing.

Groovy Growing II

Animals and plants abound in YSI's organic garden. Dig, plant, harvest and create garden crafts. Enjoy drying and preserving fruit, and building a compost pile or worm bin. Make herbal tea bags, candles or lavender wands. Plant an herb garden to take home.





Summer Science Camp Descriptions Groups C and D

Visit our website www.youthscience.org

Indians and Pioneers I

Experience pioneer and California Native American life. From candles to colorful weaving, practice early pioneer skills. Spin wool, try fire starting, and make walnut dice. Prepare foods like jerky or acorn flour. Hike, play games and tell stories.

Phunky Physics I

Learn how things work the "Phunky Physics" way. Experiment with the invisible forces of magnetism, electricity and gravity. Use physics to make music, blow bubbles, fly wings, and build gadgets. Take a "Phunky Physics" hike each day.

Radical Reptiles II

Take an in-depth look at the life of reptiles - snakes, lizards, turtles, dinosaurs and more! Meet and touch live reptiles. Examine reptile skeletons, skin, shells and fossils. Hike and search for reptiles in the park. Compare reptiles with other animals to see what makes them unique. Create radical reptile crafts.

Science Sleuths II

Search for clues, gather evidence, and discover how science can help solve a mystery. Find out how detectives, forensic scientists and animal trackers use the secrets of science. Take fingerprints, touch animals and mix chemicals. Each day will include experiments.

Something's Fishy I

Share the summer sun with the fantastic fishes of Vasona Lake. From fish anatomy and physiology, to lake monitoring, spend the week close to the aquatic environment. Dissect a fish and an invertebrate. Test the water. Go fishing.

Wild Images I

Experience the "call of the wild" from an artist's perspective. Combine self-expression and science. Explore animals, plants and the creek by using art forms such as drawing, painting, photography, animation and sculpture. Learn the scientific

principles of art techniques.

Wild Wonders I

What wild things live in the park? Explore and discover unique plants and animals. Find out where animals hide and how they find food. Play games, observe trees and hidden wildlife. Use field equipment, take hikes and experience nature.

X-treme Animals I

They don't ride skateboards, but animals can be X-treme too. Learn about animals that break the mold - the fastest, the biggest, the most poisonous. Meet live animals and discover astonishing facts about them. Craft your own X-treme animals. Explore the park's land, water and sky in search of animals and their



Group D –
*Entering 4th through 6th grade
in the fall of 2006.*

Bike Hike II

Learn biology and physics and explore the local environment on your bike. Spend time off your bike as you learn bike repair, safety skills and trail etiquette. Experience local ecology, play games and conduct experiments. ***Must bring bike and be an experienced rider.***

Creek Week II

Get your hands wet as you become an aquatic biologist. Discover the creek by exploration, experiments, games and activities. Observe and identify animals associated with the creek. Perform physical and chemical tests.

Curious Chemistry II

Join the fun with exciting experiments, demonstrations, and chemical reactions and discover the properties of acids, bases, solids, liquids, and gases. Become a chemical detective. Identify a

mystery substance.

Deep Earth, Deep Space II

Fee exemption
Evening of telescope viewing!
Explore the depths of the earth to experience its dramatic changes. Discover what fuels volcanoes and earthquakes. Identify and experiment with rocks and minerals. Tour our solar system and uncover the mysteries of asteroids, meteors, and comets. Make a star chart and invite your parents for an evening of telescope viewing.

Indian and Pioneers II

Learn about the lives of pioneers and California Native Americans. From felting to old-time soap making, practice early pioneer skills. Spin wool, try fire starting and prepare foods like jerky or acorn flour. Hike, play games, and tell stories to experience early cultural life.

Innovative Engineering

Make it, shake it, maybe even break it. Learn engineering principles as you build and test your own inventions. Create small-scale bridges, towers and simple machines. Who knows, maybe you'll be the one to build a better mousetrap! Projects will include electrical, chemical, mechanical and aeronautical engineering.

Nature's Drama

Enjoy the wonderful world of performing arts. Explore animals and nature through acting and story telling. Help write a script and perform a play. Create your own costumes. Develop your own character



Phunky Physics II

Learn how things work the "Phunky Physics" way. Experiment with the invisible forces of magnetism, electricity, and gravity. Study sound and aeronautics as you fly planes, make music and build gadgets. Participate in a physical science challenge.

Something's Fishy II

From fish anatomy and physiology to creek and lake monitoring, we'll spend the week close to the aquatic environment. Use equipment to measure water turbidity, depth, flow rate, pH, and density. Dissect a fish and an invertebrate. Explore the lakeside and go fishing.

Wild Images II

Experience the "call of the wild" from an artist's perspective. Combine creative self-expression and science. Explore animals, plants, the creek and forest. Use a wide variety of art forms including drawing, painting, photography and sculpture. Discover the science principles behind the art techniques.

Wild Wonders II

Experience the week as a birder, botanist, animal tracker or wildlife naturalist. Discover wild things that live in the park. Find unusual plants and animals. Search for animal habitats, make track molds and use naturalist's skills and field equipment. Participate in games and science activities.

Winged World

Buckle up and get ready to take off into the world of flight. Learn about the principles of airplane and rocket flight and observe nature's pilots - birds, butterflies, dragonflies, bees and others - as they zip around the sky. Make your own fleet of fliers, build an acrobatic Kimoto Flyer and launch a bottle rocket beyond the tree tops.

X-treme Animals II

They don't ride skateboards, but animals can be X-treme too. Learn about animals that break the mold - the fastest, the biggest, the most poisonous. Meet live animals and discover astonishing facts about them. Craft your own X-treme animals. Explore the park's land, water and sky in search of animals and their fantastic feats.



2006 Summer Science Camps

Registration Procedure

Registration begins March 1, 2006

- ◆ Registrations may be mailed, faxed, phoned in or dropped off at the YSI Vasona Center.
- ◆ Current YSI members and donors of \$150 or more (cumulative donations since August 2005) will have their registrations placed at the top of the stack for processing. Otherwise, all registrations will be processed in the order in which they are received.
- ◆ Phone notification will **not** be provided. All notifications will be mailed.
- ◆ Wait lists are **not** available. Last minute availability due to cancellations will be listed at 408.356.4945 x19 and on YSI's website, www.youthscience.org.
- ◆ Check frequently for camp availability at 408.356.4945 x19 or at YSI's website, www.youthscience.org.
- ◆ 1st, 2nd and 3rd choices for weekly camps should be listed on the registration form in case your 1st choice is full.

GROUPS	TIMES	AGES	FEES		
			VASONA	SANBORN	ALUM ROCK*
A	9 A.M. - 11:30 A.M.	Pre-K 3½ - 4 yr. (Born before Jan. 2003)	\$170	\$150	\$120
B	9 A.M. - NOON	Entering K or 1 st in Fall 2006	\$180	\$160	\$125
C	9 A.M. - 1 P.M.	Entering 2 nd - 4 th in Fall 2006	\$195	\$175	\$130
D	9 A.M. - 1 P.M.	Entering 4 th - 6 th in Fall 2006	\$195	\$175	\$130

Exceptions - Deep Earth Deep Space + \$30 (includes family evening star viewing)*Limited scholarships available at Alum Rock

Friends in Camp Policy

Occasionally YSI may add a second section of a popular camp. If you have indicated the name of a friend on the space provided on page 12, YSI will try to place them together. However, YSI cannot guarantee that friends will be placed together.

- ◆ You may only request that your child be with one other friend. The friend's parent must also indicate your child's name on their registration form.
- ◆ Changes will not be made on the first day of camp or during the week of camp.

Cancellation Policy

You may cancel a camp registration within 7 calendar days of the date on your notification letter without a fee unless the date of the notification is less than one week before the camp, in which case there is no refund.

For camp cancellations 7 days or more after the date on your notification letter, the following sliding scale of refunds will apply:

- ◆ 3 months or more prior to camp start date, 75% of the camp fee will be refunded.
- ◆ 2 to 3 months prior to camp start date, 50% of the camp fee will be refunded.
- ◆ 1 to 2 months prior to camp start date, 25% of the camp fee will be refunded.
- ◆ Less than 1 month prior to camp start date, there will be no refund.
- ◆ Camps with low enrollment are sometimes combined to avoid cancellation.
- ◆ If a camp must be cancelled by YSI, a full refund will be given.



2006 Registration Form

Please Print Clearly



FAMILY INFORMATION

Internal use only

FamilyID# _____

Last Name of **Participant** _____

Parent (Guardian) First Name _____ Parent Last Name _____

Address _____ City _____ Zip _____

Check best (first) phone to call in case of emergency: Home Phone () _____

Work Phone () _____ Cell Phone () _____

Other Phone () _____ *Explanation of Other Phone* _____

Email _____

PAYMENT INFORMATION *If paying by credit card (Visa or MasterCard only):*

Card number _____ Expiration date _____

Signature _____

Card billing address and/or phone number (if different than above) Phone () _____

Address _____ City _____ Zip _____

PROGRAM INFORMATION

Choice - 1 st 2 nd or 3 rd	Code	Day or week	Participant's Name	Check One		Date of Birth	Grade in Fall 2006	Name of Camp, Class or Safari	Fee
				M	F				
Please fill out questionnaire on the back of this form								Membership or Donation*	
								Total	

Release Statement

I, the undersigned, do hereby give my full consent for the above named persons, including minor(s) to participate in the Youth Science Institute's programs listed and I have read the cancellation policy. I agree to hold harmless the Youth Science Institute and its officers, employees, volunteers and agents. Should any accident occur requiring medical care for my child, I give full consent to the providing of such care by a licensed physician. If my child should become a disciplinary problem in the opinion of the group leader, and by doing so seriously affect the quality of the trip or program for the other participants, I agree to pick up my child at a place designated by the representative of the Youth Science Institute, however inconvenient that may be. I acknowledge that depending on the type of program, other Releases may be required. Further, I hereby grant full permission to any and all foregoing to use photographs, videotape, motion pictures, recording and any other records of this event for any purpose whatsoever.

Send completed form to:

YSI Registration
296 Garden Hill Drive
Los Gatos, CA 95032

Phone: 408.356.4945
Fax: 408.358.3683
Web: www.youthscience.org

*YSI is a 501(c)(3)
 tax-exempt organization.
 Tax ID number: 94-1265213

Signature of parent or legal guardian and/or adult registrant _____ Date _____

YSI at a Glance

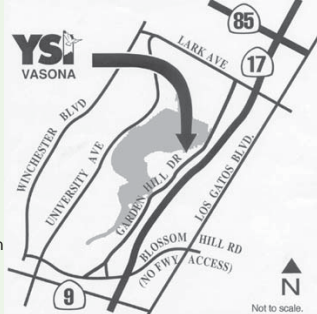
www.youthscience.org

Vasona Science & Nature Center and Administration

408.356.4945
296 Garden Hill Drive
Los Gatos, CA 95032



Mon. - Fri.
9 A.M. - 4:30 P.M.*
Sat. - Sun.
by appointment
*except when programs in session



Partnering with Nature to Teach Kids Science!



296 Garden Hill Drive
Los Gatos, CA 95032

Non-Profit Org.
U.S. Postage
PAID
Permit No. 47
San Jose, CA

Sanborn Science & Nature Center

408.867.6940
16055 Sanborn Road,
Saratoga, CA 95070



Tues. - Sat.
12 - 4:30 P.M.*
*except when programs in session



Summer Science Camp Questions

To be answered by parent or legal guardian:

	Yes	No
Does the child have allergies? -----	<input type="checkbox"/>	<input type="checkbox"/>
Does the child require any regular medications? -----	<input type="checkbox"/>	<input type="checkbox"/>
Are there any activities or exercises the child may not do? -----	<input type="checkbox"/>	<input type="checkbox"/>
Are there any physical disabilities or chronic conditions? -----	<input type="checkbox"/>	<input type="checkbox"/>
Are there any emotional or behavioral disorders? -----	<input type="checkbox"/>	<input type="checkbox"/>

If you answered "yes", please provide a written explanation. _____

Alum Rock Science & Nature Center

408.258.4322
16260 Penitencia Creek Road
San José, CA 95127



Winter:
Tues. - Sat.
12 - 4:30 P.M.*
Summer:
Tues. - Sun.
12 - 4:30 P.M.*
*except when programs in session



→ Our funders often request demographic information to support our funding requests. Your participation is optional, but appreciated.

Child's ethnicity (optional) _____

Pairing of friends or siblings in the same camp can be requested but **not guaranteed**. Names of friends or siblings who wish to be in the same camp must be written on both forms; the request must be mutual.

In the event YSI adds another section of a popular camp, YSI will try, but cannot guarantee that friends/siblings will be together. Changes will not be made on the first day or during camp. Please, one friend **only**.

Name of friend _____

For more information call the
24-hour CampLine at 408.356.4945 x19
or visit our website: www.youthscience.org

YSI Thrift and Gift Store

408.272.1301
3151 Alum Rock Avenue
San Jose, CA 95127
Tuesday - Saturday 10 A.M. - 4 P.M.