

We expect participants to use common sense; to be healthy, careful & well behaved; and to follow directions and practice safety.

Waiver of Liability: I understand OSE / CSF is not responsible for accidents that may happen. We expect students to use common sense, have good health and behavior, follow directions and practice safety. In case of emergency I give permission for my child(ren) to get medical treatment. At Irvin's discretion if behavior becomes a problem a student might be dropped, and tuition can be lost. Dress for weather and location. Report medication.

Make checks to "OSE". Mail this form with checks or a credit card number. Spaces can be open on the event day, but **call to confirm.** There is a 20% fee to change dates. The cancel policy is an 80% refund with 21+ days notice; and a 50% refund within 8-20 days; within a week there is no refund. There are no make up days for missed days or carry over to next year.

During all we do pictures or video are sometimes taken as family gifts and for flyers, our scrapbook, our website and for quality control. We have the utmost respect for privacy. **Pick up Day Adventure students before 4:15 pm.** Late pick up can cost \$1 per minute.

2012 SUMMER

Outdoor Science Exploration & Classroom Science Fun

Active Learning For Active Minds
Grades 2 - 10



Physics, Chemistry, Biology & Earth Sciences

831-423-5925

info@osefun.com

Donations

Gifts to this 501c3 nonprofit are tax deductible and are spent wisely for student tuition, science supplies or classes for a local school.

About OSE / CSF

OSE/CSF is a 501(c)(3) nonprofit. Our highest goal is to teach science fundamentals and instill an interest in science. This award winning nonprofit teaches 3 science programs for grades 2-11 and offers educator workshops. Student programs include series of classes during the day or afterschool, 5 weeks of summer field trips, and a week of backpacking in Yosemite. The curriculum is student centered with activities based on active, fun and encouraging hands-on learning activities and experiments. **We understand the importance of effective and positive science education.**

Who We Are



Diane
Cornell



Irvin
Lindsey

These accomplished, credentialed teachers who form the core of OSE share 50+ years of distinguished teaching experience. Diane brings invaluable teaching and administrative experience to OSE/CSF. She is also a gifted therapist, a highly regarded artist, a renowned leader of Women's Vacation Journeys to the Southwest, and a popular local and international Sierra Club hike leader. Irvin has taught science in the classroom and outdoors from elementary to college levels. They both have also taught workshops for teachers and enjoy a special talent for connecting with students of all ages.

Awards

Through dedication and leadership Diane earned the **Teacher of the Year Award** from the San Jose School District, and Irvin was selected as a **United Way Community Hero** by the Community Assessment Project and the Santa Cruz Sentinel newspaper. Irvin is also a **Hands-on Award Winner** from San Jose's Resource Area for Teachers.



Physics and Chemistry

Every year we teach ~160+ class hours afterschool and during the day at public, private, home and charter schools. We meet once a week in 8-14 week series during or after school and on early dismissal days. This hands-on learning is for grades 2-10.



Science Day Trips

Outdoor learning makes kids smarter. Science test scores went up 27% when students were taught outside. High quality "green exercise" improves memory, relieves stress and builds social skills. These summer adventures are offered for students ages 7-14.



Yosemite Backpacking

This exciting and rewarding ~37 mile event is for exemplary older students and combines opportunities for developing self-confidence and for experiencing challenging exercise with learning-by-discovery in this exceptional and world famous national park.

SUMMER 2012 Outdoor Science Exploration

Science Day Adventure Trips 10 am - 4 pm June 11 - July 13

Choose by the week, day, or all summer. Have FUN learning PHYSICS and CHEMISTRY!

Students ages 7-14 do the proven experiments and activities from our school programs and explore nature with hands-on active learning.

BRING: a day pack with sunscreen, lunch+drink+optional snack, PLUS a simple change of clothes if s/he likes to get wet at the creek or beach. AND sandals and a medium size towel are useful almost every day. BRING the right clothing for the weather like a hat, jacket, UV sun glasses, and rain protection if it might rain.

Benefits of this unique program include: helping to build social skills and relieve stress while improving memory, attention and science test scores.

Tuition paid by credit card or PayPal is 950 for all 5 weeks, 200 for any M-F week, 175 for the 4 day week of July 4th, or 50 for any day.

Tuition paid before May 11 by credit card or PayPal is 900 for all 5 weeks, 190 for any M-F week, 165 for the 4 day week of July 4th, or 45 for any day.

Tuition is lower when paid with a check or cash. It is 900 for all 5 weeks, 190 for any M-F week, 165 for the 4 day week of July 4th, or 45 for any day.

Tuition is lowest when paid before May 11 by check or cash. It is 850 for all 5 weeks, 180 for any M-F week, 155 for the 4 day week of July 4th, or 40 for any day.

Here are some of the activities. Most include take home materials and many are offered just once.

6/11 MON - Frederick Street Park parking - Very Cold Temps+Candles, Invisible Water Balls, Oxidizing+Phase Changing Zn+Fe, Radiometers+Reflection Fun...

6/12 TUE - behind Nat'l History Whale Museum - Boomerang Physics, Rock Cycle+Fossils, Paper Clips+Magnets+Fe Dust, Venus Fly Traps, UV Beads...

6/13 WED - Delaveaga Park parking - Spin Forces of Tops+Wheels, Suction Cups, Implosion, Touch Sensor Density, Candles, Kinetic Energy Sticks, Bridge Physics

6/14 THU - Depot Park parking - Playing Catch with a Van, Laws of Motion, Bernouli Ping Pong, Balloon Catching+Revolving, Water Mistlers, Maxi Colors...

6/15 FRI - Blue Ball Park parking - Siphon, 2 Liquids=Bouncing Ball, Balloon Helicopters, Wrist Hole, Lateral+Averted Vision, Buzz Saws...

6/18 MON - behind Nat'l History Whale Museum - Tuning Forks, Our Silhouette+Organs, Straw Music, Flash Burn, Pushing Our Metabolism...

6/19 TUE - Friendship Gardens, Harvey West - Anatomy Torsos, Drinking Up Side Down, Big Bubbles, Mg Burn+UV+Beads, Blind Spots, Stomp Rockets...

6/20 WED - Pogonip Preserve/Golf Club Dr. parking - Fossil+Trapped Fish, Marble+Spring, Poison Oak+Urushiol, Pushing Uphill, Wild Rosey Fruit...

6/21 THU - Antonelli Pond by Natural Bridges - Paleolithic Bullroar, Finding Pulses, Balance Point, Water Arthropods, Marine Terrace Fault, Mirror Maze...

6/22 FRI - Depot Park parking - Solid Sound, Centripetal Balance+Throw, Spontaneous Purple Flame, Up Side Down H₂O, Shadow Clock, Balloon+Little Hole..

6/25 MON - Blue Ball Park parking - Burning Dust, Water Attracting Powder, Solar Energy+Big/Little Fans+Motors, Reflexes vs. Thinking, Stomp Rockets...

6/26 TUE - corner of Katherine Lane - Flaming 6000°F, Elbow+Cup Inertia Washers, Concave Refraction, Averted Vision+Sunlight Burning...

6/27 WED - San Benito Ave. and Seacliff Dr. East - Diffraction Lines+Fingers+Spectroscopes, Tape Chains of Molecules, String Circles With 2 Centers...

6/28 THU - Nisene Marks Park near kiosk - Buzz Saw Spins, Microscope+Tweezer, Arthropod Faces, Horsetail Whistles, Tree Clones, Hand Twist Spinner..

6/29 FRI - Hidden Beach Park parking - Lever Motion, Magnetic Fields+Fan Spinners, Bucket Spins, Straw Rocket Motion Laws, Spinning String with Air...

7/2 MON - Antonelli Pond by Natural Bridges - Glove Vibrations, Bernoulli's Principle+Paper, Hyper Bright Colors, Inflating a Sealed Balloon, Bridge Physics...

7/3 TUE - Delaveaga Park parking - Collision Burns, Doppler Spinning+Bull Roars, Balloons+Candles+Water+in a Bottle, Mirror Mazes, Phase Change+Storms...

7/4 WED - HOLIDAY

7/5 THU - Pogonip Preserve/Golf Club Dr. parking - Making+Detecting Ultra-Sound, Big Bag Inflation, Backwards Syringe, Compression Waves in Springs...

7/6 FRI - Friendship Gardens, Harvey West - Calcium Carbide+Floating Carbon, Slicing Styrofoam with Electro Resistance, Flaming Cash, Micro Writing+Reading...

7/9 MON - Blue Ball Park parking - String thru Wrist, Bent Stick Poppers, Bike Wheel Top, Motors+Tape, Heat Wave Refraction, Backward Writing, Venus Flytraps...

7/10 TUE - Rio del Mar Esplanade parking - Fossil Teeth of Boneless Fish, Surface Tension of Pennies, Ultracold, Buzz Saws, Pumice+Exploded Obsidian...

7/11 WED - Nisene Marks Park near kiosk - Crushing Without Air, Solar Cells+Motors, Cups That Never Suck, Our Pulse, Geometry Spirals, Anatomy Mannequins...

7/12 THU - corner of Katherine Lane - Fresnel Burning, Lifting Coins in a Thin Liquid, Butterfly Licorice Plant, Catching a Ball with One Eye, Endothermic Salt...

7/13 FRI - Delaveaga Park parking - Stomp Rockets, Balloons+Fire, Air Powered Straw Rockets, Liquid Zinc +Lead, Styrofoam Cannon Ball, Balloon Helicopters...

2012 Registration - See other side

Date/s _____

Tuition Payment \$ _____

Cash (), Check # _____ or Credit Card info

expiration month _____, year 201____, and numbers

Student /s _____

Age/s _____

School/s _____

Parent /s _____

Email/s _____

Home Address _____

_____ zip _____

Phone # s _____

If parent/s cannot be reached, call:

Name _____

Phone # s _____

Relationship _____

Doctor's Name & Phone: _____

Please read the other side and then sign here.

_____ / _____ /12

signature required

Outdoor Science Exploration /Classroom Science Fun

150 Lions Field Drive, Santa Cruz, CA 95065

(831) 423-5925 info@osefun.com

YOSEMITE BACKPACK

JULY 22-29

This exciting event for **exemplary older students** features self-confidence building and challenging exercise with learning-by-discovery. From beautiful Tuolumne Meadows we'll visit glacier-carved valleys and waterfalls, Glen Aulin High Sierra Camp, plus alpine lakes and vistas. We can go to the top of Clouds Rest and Half Dome for extraordinary views. Participants carpool and provide food & gear. Students write an essay to define character, honor, integrity and altruism. 12 student limit. Minimum age 10-12. See backpack flyer.

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