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Director & Founder

Irvin Lindsey is a gifted Master Teacher with credentials, degrees and special training on multisensory skills and how fun helps learning. He has worked with elementary to college students, at public & private schools, and in the classroom & outdoors. He enjoys a special talent for connecting with students of many ages. He particularly enjoys traveling, swimming and backpacking. As a past United Way Community Hero he is also a Hands-on Award Winner of San Jose's Resource Area for Teachers.



Director & Co-Leader

Mary Edith Ingraham is an inspiring example for young women. She is a talented software coder and enterprise website developer. Clients of her consulting business range from local organizations to the city of San Francisco. She is an avid long distance backpacker, a committed regular swimmer and enjoys camping and hiking with her 2 grown daughters. Fine woodworking, dancing and cooking are among her many talents.



Your Deductible Gift - Each donation is tax deductible. They are appreciated and spent wisely. This helps more of our schools and families have science for their students.

Waiver of Liability - I understand that OSE/CSF is not responsible for accidents. Without exception 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 or preparation is a problem a student can be dropped and tuition is lost.

Plus - Late pickup can cost \$1/minute. Report medication. Mail check or credit card information with this form, pay online at OSEFUN.com, or call by phone to use credit cards. OSE can refund your tuition fees or deposit, less 25% for administrative processing, if there is a full complement of students and an alternate student can be admitted. There is no refund if these 2 conditions are not met or if a student withdraws within 2 weeks of the start date. During all that we do, pictures or video are sometimes taken as family gifts, or for the scrapbook, handouts, the website or quality control. We have the utmost respect for privacy.

2018

Summer Science Fun

June 18 - July 13



with the local nonprofit foundation

Outdoor Science Exploration & Classroom Science Fun

Active Learning For Active Minds

Physics, Chemistry, Life & Earth Sciences

info@osefun.com

www.osefun.com

831 - 419 - 2147

About Us

We're the 21 year old Santa Cruz nonprofit that actively teaches science. We use hands on, active learning with fascinating classes in physics and chemistry plus life, earth and nature sciences. Surprisingly advanced topics are popular with students from ages 8-14. The main instructor, Irvin Lindsey, is a highly qualified and experienced Master Teacher. This award winning 501c3 nonprofit was founded with Irvin's guidance in 1997. Our popular programs combine advanced multi-science fundamentals with fun, extraordinary teaching and a student centered approach to nurture student's natural talents and help them develop their interests. We realize the immense importance of effective science education for school and job opportunities, life time earnings and for contributing to our future's scientific capital.

Our 3 programs...



"And We're Off" Day Adventure Trips

are great for ages 7-14. They combine direct contact with nature & multiscience lessons plus a kid centered balance of exciting fun with

playtime. "Green exercise" with this fun break from technology can improve memory and behavior, relieves stress, and help build social skills.



Yosemite Backpacking

This exciting and rewarding ~36 mile week long event is for older students who are or want to be exemplary. It combines opportunities for developing self-confidence and for experiencing wonderful

exercise with learning-by-discovery and a restorative break from technology in this world famous park. **9 student limit.**



Multiscience Physics & Chemistry

Each year we teach **160+ hours** of fun new lessons at local public, private, charter and home schools including community centers & after

school programs. We meet once a week in series of 7-12 classes for grades 2-10. Materials for class and take home are included.

"And We're Off" Day Adventures

Ages 7-14 9:30 am - 4 pm 4 one week sessions from June 18 - July 13

Multi-Science Active Learning with PHYSICS Fun and CHEMISTRY Mysteries, plus Life, Earth and Nature Sciences!

Each activity is student centered and carefully designed to improve memory, creativity, focus & social skills. Students enrolled for a week session will get personal journals.

Students enjoy activities with a **Master Science Teacher**, relax with **unstructured play** & explore nature with **hands-on learning**. It's helpful to **put ID on things** and visit a restroom before drop-off.

These can be useful - sandals, a hat, jacket, UV sunglasses & sunscreen, a light change of clothes and a small towel. Each student should bring a DAY PACK with food & drink

Online registration and payment is available at OSEFUN.com

Register by June 1 and every week is \$279. Register after June 1 and every week is \$299.

All 4 weeks are \$999. Drop-ins are \$79 when available.

Here are only some of the unique science activities. Most occur once. Snacks & take home materials are included.

Week One June 18 - 22 **PHYSICS** Lower De Laveaga Park

Laws of motion - inertia, thermodynamics & entropy, kinetic & potential energy, mass & weight, center of gravity, plus conservation of energy, spinning forces, levers, torque, natural frequencies & pendulums.

Week Two June 25 - 29 **CHEMISTRY** Frederick Street Park parking

Elements, atomic structure, and the periodic table along with polymers including hydrophilic & -phobic, balancing equations, plus phase changes, oxidation, endo- & exothermic reactions and explosions.

Week Three July 2 - 6 **Light & Electricity** Rio del Mar Beach parking

Photons and electrons, light speed, polarizers, LEDs, mirrors, lasers, refraction, EM spectrum, series & parallel circuits, plus motors & resistors, solar motors, photo cells, transistors, resistors and transducers.

Week Four July 9-13 **Sound, Air & Temperature** Nisene Marks kiosk parking

Compression waves, Doppler spin, ultra- and infra-sonic waves, explosions, natural frequencies, Bernoulli, high & low pressure, plus convection currents, rings of air, resistance melting and high/low temps.

YOSEMITE BACKPACK JULY 23 - 30

This exciting and rewarding ~37 mile week long event is for 9 older students who are or want to be exemplary. It combines opportunities for developing self-confidence and for experiencing wonderful exercise with learning-by-discovery and a restorative break from technology. And we enjoy some of the most sought after trails in this world famous park. There's more information on our website and handout. From age 10 or 12 up to 17.

National competition for this trail permit is fierce. For that reason, our trip does not happen every year.

Outdoor Science Exploration and Classroom Science Fun

116 Plateau Avenue, Santa Cruz, CA 95060 831-419-2147 info@osefun.com osefun.com

2018 Registration

This can also be done online at OSEFUN.com.

Name/s & age/s _____

Date/s _____

Tuition Payment \$ _____

Cash () Check# to OSE _____ or Credit Card info

month _____, year 20____, CVV _____, &

Parent /s _____

Email _____

Address _____

City _____, CA 950____

Phone # _____

School _____

If parent/s cannot be reached, call:

Name _____

Phone # _____

Relationship _____

Doctor's Name & Phone: _____

Please read the other side and sign here.

_____/_____/18
signature

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