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UPCOMING EVENTS:

LEGO for Pre-schoolers and Seniors Thursdays: March 2,9,16,30

10am-12noon - Nature Center

FSJMCP/CCC Nature Center Trail Clean-up Saturday, March 11 at 9am

FSJMCP/CCC Spanish Nature Class (Winter Session)
Wednesdays: March 1, 8, 15 10am - Noon - Nature Center
Spring Session Starts Wednesday,
March 22, 10am-12 noon - Nature Center

Registered Volunteers are welcome to assist at events. Please email bod@fsjmcp.org if interested in volunteering.

A Message from Roger Lasken President, FSJMCP Board of Directors

Winter Membership Drive and Fundraiser

By Roger Lasken



Hello Friends,

This month we are starting a Winter Membership Drive and Fundraiser. Covid-19 slowed us down over the past 2 years with some of our favorite events cancelled. You can help us build back better than ever by being sure to renew your FSJMCP memberships or purchase a new membership.

Please visit our web site (https://fosjmcp.org/members/) where you can join by credit card (\$25 for individuals, \$40 for couples and \$60 for families). Members park for free. You can also purchase memberships at the Nature Center Museum and park for free that same day.

You can also make a special donation to support our exciting new educational program. We had a lot of fun this winter developing science and nature classes for families. Lots of our new volunteers, along with some favorite old-timers, joined in to bring the fun of science to kids.

FSJMCP teamed up with Anna Maruca, founder of Creative Connections Community (CCC, https://www.creativeconnectionscommunity.org), a local nonprofit foundation that is dedicated to developing innovative educational programs. CCC is a community of families that work together to provide educational workshops, events and field trips. We are also very pleased that Anna has joined the FSJMCP Board of Directors and will be contributing her great talents to our programs and events.

The Science Club had three sessions on chemistry led by Peter Kindfield. The kids built ball and stick molecular models to make glucose from water and CO2 as plants do during photosynthesis. Each child got a chemistry model kit to take home.





We took our program on the road to have this microscope class at the Idyllwild Libraries' wonderful homeschool STEAM program.



Our new handheld microscopes let the kids see fabrics and news print up close



Legos, art projects and a catapult building contest were part of the indoor fun on a snow day at the Nature Center

FSJMCP and CCC are now offering educational classes at the Nature Center and other locations around Idyllwild (see "Upcoming Events"). The Science Club meets every Saturday and offers fun activities in science and art for kids and their families to enjoy. We have teamed up with the Forest Folk, our wonderful local nonprofit foundation that runs the Idyllwild Shuttle, to give free rides to families coming to the Science Club and LEGO Play. Please see Anna's article below to learn about our new class offerings and organizational partners. Your membership fees and generous donations help to fund these classes along

with the many Friend's volunteers who contribute their time. If you wish to make a donation, please send a check to FSJMCP, PO Box 1522, Idyllwild, CA 92549 and indicate on the check "Educational programs".

Please see Mary Rider's article below to learn about our volunteer program. We are seeking new volunteers to help out at events and educational classes. Do you have an interest in a technical field, nature studies, art or cultural studies? Please come to one of Mary's Activity Committee meetings and learn how you can help out. For those inclined, you can join our many volunteers who are leading classes. Or, if you have a favorite lesson for kids, you can volunteer to lead an activity, or co-develop lessons with our educational volunteers.

Hope to see you at the Idyllwild Nature Center sometime soon. I would love to hear any comments or questions from readers about our plans or how you might get involved. Please email me at roger@fosjmcp.org.

You can now join or renew your membership online at: https://fosjmcp.org





Nature Center Snow Level and Warming Center - Sunday, February 26th.

The Friends Need You!

By Mary Rider, FSJMCP Vice-President

As Vice-President, I've temporarily resumed the position of FSJMCP President until Roger Lasken recovers from a back injury. The Board of Directors' primary focus is to increase engagement with potential, new, and loyal



members of our nonprofit organization. The revenue generated from membership fees is essential to fulfilling the FSJMCP mission to assist and advance public

awareness and appreciation of the history, culture, and ecology of the San Jacinto Mountain area.

Our organization's second most important asset is the ecocentrism of our members and their interest and willingness to engage and educate Nature Center visitors regarding the wonders of the natural environment.

The new year has already begun with regularly scheduled science activities for children, collaboration with other nonprofits, and a resourceful and supportive new Idyllwild Nature Center Ranger. If you've ever considered becoming a FSJMCP volunteer, now is the time to try it out. There are many opportunities to participate, based on your willingness to follow the lead or take on more responsibility.

FSJMCP needs volunteers to help with scheduled children's activities, Story Time in the Forest sessions, and the Nature Center's annual events in May (Wildflower Show), June (Lemon Lily Festival), August (Butterfly Daze), and October (Trail of the Acorn). Ranger Sonny Waldron is also actively recruiting RivCo Parks volunteers to assist visitors in the museum or at the Idyllwild Nature Center kiosk on the weekends, maintain the botanical gardens, feed the live animals, or lead youth groups on nature hikes.

The FSJMCP Activity Committee is seeking members who have an interest and expertise in a topic related to the ecology, history or culture of the local area or the skill to provide a Do-It-Yourself building project, (bird and bat nests, etc.). Please contact me by text message (619-518-6605) or email (bod@fsjmcp.org) if you would like to discuss sharing your enthusiasm and knowledge with others. The FSJMCP Activity Committee is eager to provide the community and weekend visitors an opportunity to expand appreciation and understanding of the history, culture, and ecosystem of the San Jacinto Mountain environs.

Think about expanding your horizons while enjoying being out in nature and being of service to the local community and visitors to the Nature Center. I look forward to hearing from you.

Mary					



UPDATE FROM ANNA J. MARUCA FSJMCP Board of Directors

It's been a busy month at the Nature Center!

Our *Invierno* (winter) session of Spanish Nature class has been a fun mixture of songs, vocabulary, *Iotería*, art and lots of learning! We studied *coniferos* (conifers) and *copos de nieve* (snowflakes) and learned about *animales que hibernan* (hibernating animals). The next few weeks we will be covering *etapas de la luna*, *planetas y constelaciones* (moon phases, planets and constellations). Our *primavera* (spring) session starts Wednesday, March 22 (10 am - noon) at the Nature Center. This program is geared for ages 5 and up.

Our first session of LEGO Play (preschoolers and seniors) brought together many local moms with young children and reinforced the need for more early childhood programs. We are working on developing a Spanish based toddler class to provide additional space for young families to meet. We are also developing a series of Community Art classes that include our local seniors to add to our intergenerational programs. LEGO Play meets every Thursday at 10 am and FREE shuttle rides are available through Forest Folk, Inc.





Science Club has also been a success, and we are expanding it to include a broader range of topics focusing on sustainability and environmental studies. Through our partnership with CCC, we have leased a garden bed at the Idyllwild

Community Garden and will begin hosting monthly educational workshops there, along with participating in the classes provided by the Idyllwild Garden Club.

We have also adopted a trail at the Nature Center (there are 2 more available, if interested), and will develop lessons and workshops to incorporate it into our programs. Our first trail cleanup will be on Saturday, March 11th at 9 am.

And lastly, we have formed two new committees to help finance, develop, and implement our education programs. If you are interested in participating in our fundraising efforts, or joining our educational programs committee, please email bod@fosjmcp.org to let us know!

If you would like to make a donation to directly support our Education programs, you can do so here: https://fosjmcp.org/donate/

Thanking you in advance for your support. I'm looking forward to seeing you soon!

Anna

Watershed Class at the Nature Center

by Pamela Mayfield

On February 1st I stopped by the Nature Center to take photos of Anna Maruca's Watershed class. I was very impressed by what Anna and her associate, Teresa Halliburton had set up. There were lots of posters, books, handouts, and supplies for the children and their parents to create their own watershed model using plastic tubs, cardboard, brown paper, craft supplies for trees and terrain, colored sprinkles and of course, water. Everyone had a good time with this subject, here are a few of my photos



Climate Change and the Future of California's Water

California's Mediterranean climate - with its hot, dry summers and cool, wet winters – makes managing water a challenge. A complex system of dams and aqueducts stores and distributes water to help protect communities from floods and provides a reliable supply of water throughout the year. However, this system is at risk from climate change. Increased temperatures, reduction of the Sierra snowpack, and sea level rise are already impacting water supply and demand, and the impacts are expected to become more pronounced in the coming decades. Understanding why climate change is happening, how it will impact our water resources, and what we can do to minimize its effects is essential for managing our water resources and protecting our future.



What Climate Change Means for California



What You Can Do About Climate Change







Groundwater: An Essential Part of California's Water Budget

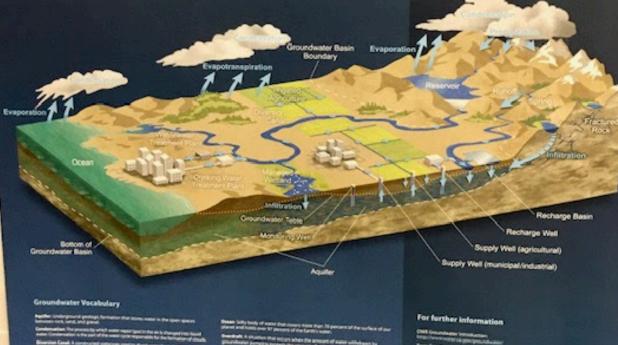
Groundwater is an essential part of California's economy and environment. Statewide, groundwater provides about 40-60% of our water supply. Some communities rely on groundwater for 100% of their water needs.

Responsible management of groundwater today helps ensure that enough remains for future generations. Excessive groundwater extraction - overdraft lowers the water table, making it more difficult and expensive to pump and more susceptible to land subsidence and contamination. Conserving water helps reduce the risk of overdraft.

The (Ground) Water Cycle

Groundwater is an integral part of the water cycle. When precipitation falls, a portion infiltrates into the ground and moves downward through the soil, pooling in porous layers, until it reaches a layer that is saturated or

From here, the water can take many paths. Groundwater may remain underground for hundreds or even thousands of years, quickly discharge into streams, or be pumped by wells for agricultural, industrial, or municipal uses.





Water Cycle

CONDENSATION

vapor changing to liquid or solid

TRANSPIRATION

vapor releasing from plants

EVAPORATION

heat causes liquid to vaporize and lift in the air

200

PRECIPITATION liquid or solid falling as rain, snow, hail,

or sleet

ACCUMULATION

storm drains, rivers, lakes, and oceans

PERCOLATION

Where do you think the last raindrops you saw traveled from?

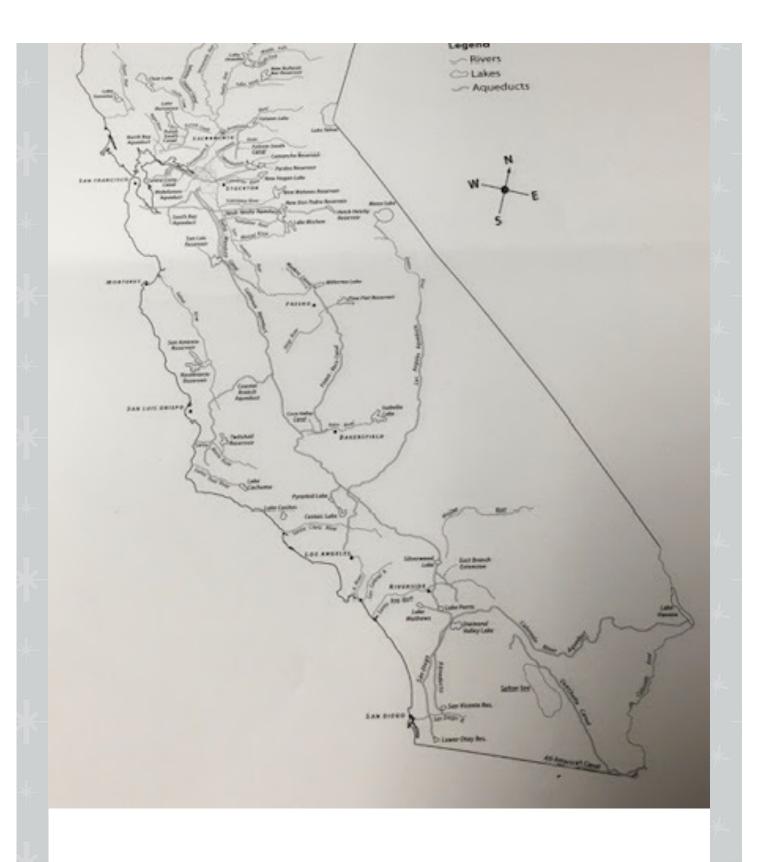


Dod you know, oil of the worker on the Earth is oil that has more been hard! The water that points never disappears and no new value is signs crushed, the a responsibilities, maker travels around the world strongly a process collect the volume Control. In those physical states South Linds and Ballin.

The water Cycle has flar many pieces that occur over and over again - Draciphation, Accumulation, Exponstion, and Condensation During prospinition, water falls from clouds to the earth as tran, brown, half, or deet. After it fails, the accumulation stope segme and the water flares to creat, store, more, trans, takes, and occurs, come of the water perceivant into the soil and the error accumulation and property than super research only the occurs from plants if in collect description of consecs them to this soil and the error accumulation of the occurs from plants if in collect description. Once high to the only into minutes describedly cool down and consecses that they are closed to the collect description. Once high to the only into

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California Waterways Map







Nature Center Museum Update

By Ranger Sonny Waldron

I have some exciting news to share with you all. Thanks to a generous donation from the Galizio family we have just installed three new kids activities stations at the Nature Center. The stations will complement the theme of each wing of the museum they are positioned in. We have one table in the Cahuilla room to encourage children to draw their own message using traditional Native American pictographs. Children will be able to write/draw what they see from the examples, but are also encouraged to create their own pictograph and assign it meaning. They will be encouraged to think critically about how we communicate today using emojis in technology. Are we going backwards? This is an important piece of human communication evolution to see where we came from to where we are now.

The second table was placed in the animal display room with crayons and rubbing plates depicting animals, insects, and plants. Children can choose their favorite or favorites to take home with them. Bonus activity they can create a food chain and

think about how one species impacts the other and to think about what would happen if one of them went extinct. Understanding the roles of predator prey and the food chain will give them a better view of the ecosystem. This highlights the importance of environmental conservation.







The third table was placed in the history wing and will be utilized by children to build their own "log cabin" using the classic toy Lincoln logs. This is a playful and fun way for children to learn about how homes used to be constructed, and the important role ldyllwild played in the logging industry. This form of play encourages creativity and helps children understand the relationship between form and function in a 3D space.

Also, these tables can be easily moved around and have the activities changed up to keep the center fresh and engaging to encourage repeat usage. As we move forward with these activity tables I welcome your thoughts for future activities to be placed at the tables.

Ranger Sonny



A Note From the Editor

Pamela Mayfield BOD FSJMCP



"Where there is great love there are always miracles." Willa Cather

Greetings from an amazing Winter Wonderland! What a treat to see such beauty in the occasional break in the snowfall these past few days. I write this on Saturday, 2/25, more snow is expected through Wednesday - Incredible!

While all the snowfall has it's drawbacks and dangers, personally experiencing a 4-hour power outage when a tree fell on a power line, (thank you, SCE workers for repairing it in the dark and in 22F weather!), I am loving the soft white wet powder that Mother Nature has provided. Even while removing the 2' of snow from atop my car and shoveling away the drifts from the sides, I felt invigorated by being active for 2.1/2 hours outside in the hushed quiet that the snowfall brings. I counted my blessings for having grown up in the countryside, helping my parents dig in the vegetable garden with a spade, and for knowing how to handle a snow shovel properly. I was inspired to build a snow-person, but it

started to snow again right as I finished putting my car to a more sheltered spot. There will be future opportunities to allow my innerchild to play in the snow, I'm sure. I hope you have taken the time for some snow play time yourselves. The Nature Center is a special and safe place for a "Snow Play Day". Your FSJMCP membership allows you in at no charge, non-member visitors are charged a \$10 entry fee. Mary Rider came up with a great idea of having a "Warming Center" for snow play visitors on "Snow Days" in the Community Room attended by FSJMCP volunteers offering warm drinks and snacks. The weather was too severe this Saturday for the Nature Center to have a "Snow Day". I'm hoping people stayed inside in the safety of their homes and off the roads during this unusually heavy storm.

A big "Thank you" to the contributors of this newsletter, your time and efforts are very much appreciated. Thank you, too, to the Friends Board members and Activity Committee members plus other volunteers, for stepping up to bring wonderful new activities for the community and visitors to the hill! You are awesome!! I'm especially thankful and grateful to our two newest Board members, Jeff Galizio and Anna J. Maruca for all that they are contributing.

In leaving the Board of Director's meeting on 2/18 on the way to my car, I came across first time visitors to the Nature Center. This lovely family had traveled from Huntington Beach to play in the snow for the day. The three young boys had just finished snow sledding and were building miniature snowmen atop a tree stump - adorable. Closer to my car I noticed a cute snow character that I also have to share with you =). Enjoy!

Love and blessings, Be safe out there, Pamela





Pamela A. Mayfield, Editor
Nature Center Newsletter Committee
FSJMCP Board of Directors
pammayfield@verizon.net



Volunteer Opportunities!

We offer a variety of volunteer opportunities and try to match the volunteer with the activity they most enjoy. You can pick up a volunteer packet at the Nature Center at 25225 Hwy 243, Idyllwild, CA 92549.

For current COVID information visit: http://rivco.org/covid-19

Friends of San Jacinto Mountain County Parks MISSION STATEMENT

To assist, promote, advance and develop the historical, scientific, educational and cultural aspects pertaining to the Idyllwild Nature Center and Idyllwild Regional Park Campground.

25225 Highway 243 Idyllwild, CA 92549 (951) 659-3850