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VOLUME 2

The News

CCHS EcoCats



TIGER'S EMBARK BY MAIKAYLA HUNYH

Shoutout to Makaiyla! She is a very talented artist, poet, and seamstress. The painting above was created with oil paint and is 20x15 inches. Maikayla also served at the Miss Wildcat competition as Miss Environmental. She represented us amazingly!

Newsletter Highlights

Art

Drilling 1.2 Million Y/O Ice Core

New Nuclear Alternatives

Conservation & Sustainability

Upcoming Events



Scientists Drill Nearly 2 Miles Down to Pull 1.2 Million-Year-Old Ice Core from Antarctic **By Sunny Suthar**

Scientists have recovered a 1.2-million-year-old Antarctic ice core, about 2 miles deep, at Little Dome C. Financed and coordinated through Italy and supported with an EU grant, the Beyond EPICO campaign aims to study past climate change, greenhouse gas concentrations, and Ice Ages in the ice. Successful retrieval in four years in deep cold could unveil information about atmospheric carbon and its contribution to altering the climate. As per scientists, modern-day concentrations of carbon dioxide have increased 50% over any in 800,000 years, say sources. Climate scientists including Richard Alley praise the breakthrough for its contribution to a deeper picture of the planet's past



New Nuclear Battery **By Alexander Eddy**

Betavolt, a Chinese startup, has engineered a nuclear battery boasting a 50-year lifespan. Unlike conventional batteries, this innovation harnesses beta particles, not heat, for energy generation. While offering remarkable longevity, its power output remains limited. Betavoltaic mechanisms rely on radioactive decay to liberate beta particles, inducing current flow within a semiconductor. Ongoing research explores enhancing power density, potentially broadening the applicability of nuclear batteries.





WHY CONSERVATION MATTERS: THE FUTURE OF OUR ECOSYSTEMS BY JAEDYN BROPLEH

As we look to the future, it's obvious that our environment plays a large role in our everyday lives. From the air we breathe to the food on our plates, we depend on healthy ecosystems. But right now, ecosystems are facing some grave challenges. Detrimental factors like climate change, pollution, and habitat destruction are all taking a toll on ecosystems around the world. So, why should we care about all this? And what can we do?

At the core, conservation is about making sure we keep our planet's natural resources in check for the long haul. Ecosystems are important for humans-- they provide clean air, water, energy sources, food, etc. When these ecosystems are harmed, it affects everyone--not just the species in them. Species, though, are disappearing at an alarming rate, and climate change only makes things worse.

But here's the thing: we can make a difference. Small actions, like the ones we're taking as EcoCats, can have a big impact on these issues. Planting native plants, cutting down on waste, or supporting sustainable companies all add up. By getting involved in conservation, we're not only helping the environment, but we're setting up a system that will allow future generations to continue thriving.

As EcoCats, we're part of a bigger movement focused on protecting the natural world around us. Together, we can keep things balanced and make sure our ecosystems are around for generations to come.

UPCOMING EVENTS

Looking for things you can do nearby this month? This is where you'll find them!

You can find more opportunities at this link.

State Parks & Historic Sites

Department Of Natural Resources



LOCAL



HOGAN'S CREEK
CLEANUP



COASTFEST



CREATURES OF THE
NIGHT HIKE



WILD AMELIA NATURE
PHOTO CONTEST



SUNSET BIKE TOUR



NATURE'S CLEANUP
CREW FILM

Thank you for reading our first newsletter! As we produce more we plan to have more involvement from EcoCats and other students. A form is posted for anyone who would like to submit articles, photography, etc! Be on the lookout for updates on Google Classroom.

