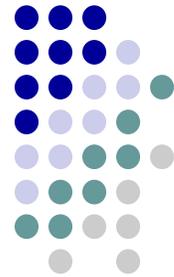


# KATS Newsletter



## KATS Kamp Annual Conference

April 24-26, 2020

Fort Hays State University



Don't miss out on KATS Kamp and a new exciting location! KATS Kamp will be held on campus at Fort Hays State University this year! YAY!!!

Not only will we have all the great workshops offered through KATS

Kamp, but we will also have special opportunities offered through Fort Hays!

Private tours of the Sternberg Museum's fossil, a visit to the cadaver labs, FHSU farms and much more!

Don't forget the snacks, prizes, networking,

Mohling Silent auction, and science nerd fun!!

Go to:

<http://bit.ly/KATSKamp2020>

For further information. Looking for Vendors, Presenters and attendees.

**SEE YOU THERE!**

## Silent Auction for the Wendell G. Mohling Foundation

The Wendell G Mohling Foundation will be hosting its annual Silent Auction at KATS Kamp in Hays. The auction will be open 7:15am to 1:00pm. All proceeds benefit The Mohling Foundation. The Foundation awards one K-12 Kansas science teacher \$700 to use to attend an NSTA conference of their choice in the year they win. Since 2006, these scholarships have been awarded to a KATS member.

The award is named in honor of Wendell G

Mohling, a Kansas high school Biology and Student Naturalist teacher, who was also president of KATS and NSTA. He received the Presidential Award for Excellence in Science and Math in 1983 and the NASA Teacher in Space from Kansas and Space Ambassador in 1985 plus numerous other awards. But he never forgot his Kansas roots or his love of teaching Science and valued the experiences he gained attending national science teacher

conferences.

When you come to KATS KAMP in April, if you have contributions for the auction, please contact Carol Mohler.

As usual, you are encouraged to "bid high and bid often". You must be present to pay for and pick up the item(s) you win. Cash, checks and credit cards accepted. A 4% transaction fee for credit Card purchases is charged to cover The Foundation's fee.

Volume 1, Issue 1

February 20th 2020

### Special points of interest:

- The Mohling Foundation Auction at KATS Kamp
- KATS Kamp registration
- Mohling Art Auction

### Inside this issue:

Kansas Geological Survey and One Day One KU	2
Art Auction for the Mohling Foundation	2
KACEE and the 50th Anniversary of Earth Day	2
KACEE continued	3
The KBI Forensic	4
<u>The Geoscience Career Ambassador Training (GeoCAT)</u>	5
Calendar	6

### Keep in touch via :

Facebook: Wendell G Mohling Foundation.

Website: [wendellmohlingfoundation.com](http://wendellmohlingfoundation.com)

Email: [mohlingfoundation@gmail.com](mailto:mohlingfoundation@gmail.com).

785-764-9625 Carol Mohling



## Kansas Geological Survey Outreach




Blair Schneider is the Educational Outreach Manager for the Kansas Geological Survey.

The Kansas Geological Survey is having a fundraiser this month on February 20<sup>th</sup> as a part of the One Day. One KU campaign. The KGS is being featured, and one of the projects they are hoping to raise funds for is building free Earth Science Teaching Toolkits that can be distributed to teachers across the state, as well as provide free trainings and professional credit hours for them on how to use these kits.

The toolkits will cover a variety of topics, including rocks, minerals, water, earthquakes, etc! You all have an amazing community.

You can learn more about the campaign here: <https://kansas.scalefunder.com/gday/giving-day/18833/department/22073>

Blair Schneider, PhD  
Education Outreach Manager  
Kansas Geological Survey

## Second Annual Art Auction for the Wendell G. Mohling Foundation

The Wendell G Mohling Foundation is hosting the second annual Art Auction Fundraiser, March 21, 2020, at Holy Field Winery, 18807 158th St. Basehor, KS. All proceeds benefit the Foundation, whose mission is to support science education in Kansas by awarding an annual scholarship to a K-12 Kansas Science teacher to use in attending a National Science Teaching Association conference.

Bidder registration and item viewing begins at 2pm. Auction begins at 3:00. Approximately 30 items of original or limited edition art will be of-

fered, including: watercolor, oil, acrylic, pen and ink, photography, textiles, jewelry, turned wood, wood carvings and collectible prints. Our New limited quantity collectible wine glass, commemorating the Wendell G Mohling Foundation will be showcased and offered for sale at this event. Wine by Holy Field Vineyards and music by La-Joie.

This auction is a live auction. In addition we will also have a direct sale table with a few choice items which you can purchase without bidding.

For additional information, visit our website:

[wendellmohlingfoundation.com](http://wendellmohlingfoundation.com).

**To view auction items please visit our FaceBook Page Event**

<http://bit.ly/MohlingArtEvent>

Contact Info:

Email:[mohlingfoundation@gmail.com](mailto:mohlingfoundation@gmail.com).

785-764-9625 Carol Mohling

**“Wine by Holy Field Vineyards and music by La Joie”**



## Celebrate the 50th Anniversary of Earth Day!

**Celebrate the 50<sup>th</sup> Anniversary of Earth Day--Take Your Science Outdoors!**

Laura Downey, Kansas Association for Conservation and Environmental Education (KACEE)

Every year we celebrate Earth Day on April 22<sup>nd</sup>. First celebrated in 1970, Earth Day has grown to a world-wide day of action for the environment. Earth day also occurs in the middle of Environmental Education Week, taking place from April 20-24, 2020. So it would seem that the time is right to go green in your science classroom!

Continued on Pg. 3

## KACEE continued

Research suggests that environmental education isn't just good for the environment, it's good for learning. In a 2017 meta-analysis study published by the North American Association for Environmental Education in collaboration with Stanford University, researchers found links between engaging students in environmental education and several beneficial outcomes including:

- **Knowledge gains** across multiple disciplines, including environmental issues, science, mathematics, and more
- **Emotional and social skills**, such as self-esteem, character development, team work, and leadership skills
- **Environmentally friendly behavior**, such as reducing water use, increasing recycling, and participating in community cleanups
- **Academic skills** (21ST Century skills), such as critical thinking, oral communication, analytical skills, problem solving, and higher-order thinking
- **Motivation to learn**, including enthusiasm for and interest in school
- **Civic interest and engagement**, including feelings of civic responsibility, feelings of empowerment, and ability to take action

(Source: <https://naaee.org/eepro/research/eeworks/student-outcomes>)

So if you're ready to get your students engaged in environmental education, here are some great resources to get you started:

**Earth Science NGSS Connected Lessons:** The Earth Science Week website offers a variety of earth science related lesson plans with a handy search feature that allows you to find lessons based on topics, disciplinary core ideas, topics and performance expectations. Access the database of lessons here: <https://www.earthsciweek.org/classroom-activities/ngss>

**Kansas Green Schools:** Get your students involved in investigating, collecting and analyzing data and then making an action plan to make your schools greener and healthier places to learn and work! Schools completing investigations will be recognized by the Kansas Association for Conservation and Environmental Education (KACEE), Project Learning Tree and Eco-Schools USA. There are investigations for Energy, Water, Waste & Recycling, Healthy Schools and the Learning Community (which addresses outdoor learning spaces and habitat) and they're free to download with a quick registration here: [www.kansasgreenschools.org](http://www.kansasgreenschools.org). Also, if you're interested in getting a school garden going and some great lesson plans to engage your students, check out the additional resources here: <http://www.kansasgreenschools.org/green-schools-garden-gate>

**Environmental Education Week:** The National Environmental Education Foundation has some great materials for teachers to green their STEM education, including some great infographics and toolkits with Green STEM lesson plans for all grade levels. These resources and more information about National Environmental Education Week may be found here: <https://www.neefusa.org/eeweek/greening-stem>

**Outdoor Wildlife Learning Sites:** Interested in creating an outdoor classroom? Extending your learning space outdoors to your school grounds can be a powerful learning tool with prairies, ponds, and more as possibilities. The Kansas Department of Wildlife, Parks and Tourism provides grants to schools to develop outdoor learning spaces that also help to create habitat for local wildlife. Initial grants of up to \$2000 are available, as well as renewal grants for those have an existing site that needs to be updated or restored. More information on creating an Outdoor Wildlife Learning Site (OWLS) and applying for a grant may be found here: <http://ksoutdoors.com/Services/Education/Outdoor-Wildlife-Learning-Sites-OWLS/OWLS-Information>

“Research suggests that environmental education isn't just good for the environment, it's good for learning. “



KBI  
High School

#### Events, Grants, and Resources

## Events, Grants, and Resources

The KBI Forensic Science Center would like to invite your High School Science Classes for our Spring Demo Days! We will begin the session in our auditorium with a presentation by our very own Forensic Scientists as they take you through solving a mysterious crime. After the presentation there will be a tour of the Forensic Science Center Laboratory.

**When:** March 3 & 4, 2020 with 3 session times 9am, 11am, and 1pm

*Please plan to arrive 5-10 minutes early for check-in.*

**Time Frame:** 1.5 hours

**Age Restrictions:** 16+

**Where:** KBI Science Center

2001 SW Washburn Ave.

Topeka, KS 66604

**\*Registration is REQUIRED.**

If interested, please send an email to [Rachel.Schumacher@kbi.ks.gov](mailto:Rachel.Schumacher@kbi.ks.gov) with the following details:

**School Name:**

**Teacher Name & Contact:**

**Total Amount of Participants:**

**Session Day:**

**Session Time:**

<http://www.kansas.gov/kbi/about/forensics.shtml>

**K-STATE**



**K-State  
Geoscience**

[The Geoscience Career Ambassador Training \(GeoCAT\) Workshop](#) will be held June 22-26, 2020, at Kansas State University, Manhattan, KS, and will focus on introducing and familiarizing educators (for teachers, advisors and 4-H volunteers) with geoscience careers in an effort to increase interest and enrollment of diverse student populations in geosciences across the state of Kansas. The GeoCAT program emphasizes recruiting and supporting under-represented students from populations in STEM fields to geoscience majors, in an effort to build a strong geoscience workforce in the future, particularly in Kansas, with industries that depend heavily on environmental and energy resources and their effective management. The GeoCAT workshop is an [NAGT sponsored project](#) and is also supported by the National Science Foundation under Grant ICER-1911590 GP-IMPACT: GeoCAT Workshop: Geoscience Careers Ambassador Training Workshop. For more information contact [geocat@k-state.edu](mailto:geocat@k-state.edu). [Apply here by April 30, 2020.](#)

Some important information about the workshop:

- 1- Zoom participation, and partial participation is possible.
- 2- Those who participate physically for the whole workshop will receive a stipend of \$300.
- 3- Participants can earn 3 graduate credits (or less) for participating in the workshop.
- 4- This workshop is accepted as a Professional Development for teachers of all levels by Kansas Department of Education

## What's Going on

### February 2020

- ⇒ Online registration is now open for KATS Kamp
- ⇒ 20th Kansas Geological Survey Fundraiser

### March 2020

- ⇒ 3 & 4 KBI Forensic Science Center—High School Classes
- ⇒ 21st Mohling Art Auction Fundraiser

### April

- ⇒ 22nd -50th Anniversary of Earth Day
- ⇒ 24-26 KATS KAMP

### May

### June

- ⇒ 22-26 Geoscience Career Ambassador Training (GeoCAT) workshop

## Share the Love!

Do you have something to share? A great lesson, upcoming events, workshops, pictures where learning happens (i.e.: your classroom, workshops, events, etc.), or great recourses! If so please let us know and we will get them in our newsletter and online!

Email items to:

[newsletter@kats.org](mailto:newsletter@kats.org)

[webmaster@kats.org](mailto:webmaster@kats.org)

Together we make things happen and learning fun!