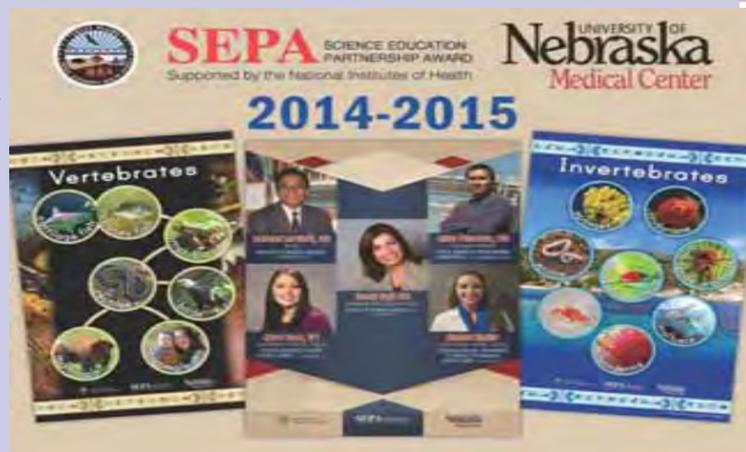




ANNOUNCEMENT: PUBLICATION OF SEPA EDUCATIONAL CALENDAR 2014 –2015

We are happy to announce that SEPA has published an educational calendar (2014-2015) for distribution to schools. The calendar features information about our educational materials, role model posters and pictures of different activities. It showcases photos from SEPA health & science fun camp, teacher workshops, hands-on-activities and other programs.



Please feel free to contact us if you need a copy of the calendar for your class room.

Email: sepa@unmc.edu

ANNOUNCEMENT: SEPA BOOK PUBLICATION 2014 -THE POWER OF ROLE MODELS

The University of Nebraska Medical Center’s Science Education Partnership Award (SEPA) program and the Nebraska Department of Education Office of Multicultural and Native Education are pleased to announce publication of The Power of Role Models.

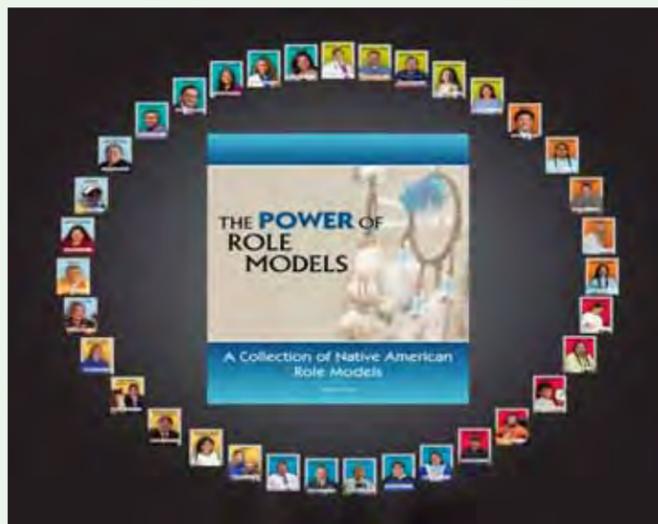
The Power of Role Models provides an interactive environment and updates in the lives and careers of the many people featured on the UNMC SEPA role model poster series. Embedded videos, live links to numerous education and career websites, and other resources are readily at hand. The Power of Role Models was designed to facilitate classroom participation and discussion. We hope that the people and places featured come alive for teachers and students alike.

The iBook may be downloaded at: (a minimum of 10 minutes is required to download)

<http://www.education.ne.gov/nebooks/ebooks/powerofrolemodels.ibooks>

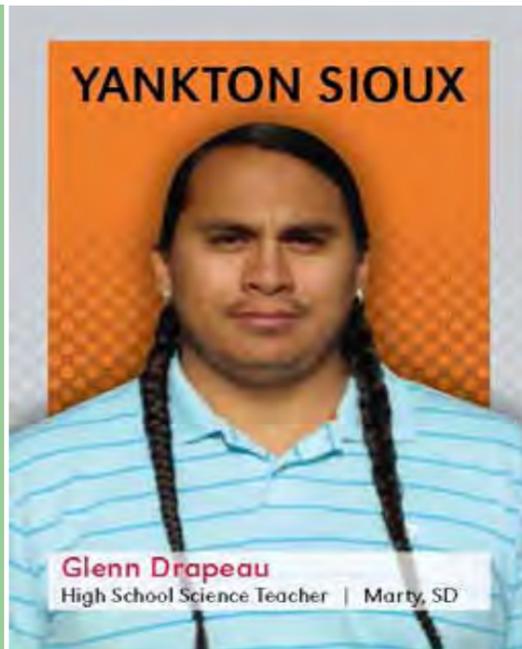
A PDF is also available at:

<http://www.education.ne.gov/nebooks/ebooks/powerofrolemodels.pdf>



ROLE MODEL POSTER:

The Role Model Poster Project features Native Americans in many health and science professions. Each poster includes the name, photograph, and tribal affiliation of the person featured. Additional information for teachers include: education, benefits, motivation, special job skills, and words of wisdom. These posters proved to be a great source of inspiration and motivation to the students and teachers. There are currently seven sets of posters and each set features five tribal members.



Glenn Drapeau
High School Science Teacher | Marty, SD

WORDS OF WISDOM:
“Learn who you are and lead your life as a good relative. A good relative starts with yourself, then to the family, to the world and out into the universe.”

EDUCATION:
B.A. - Bachelor in Biology; Minor in Earth Science, Valley State University

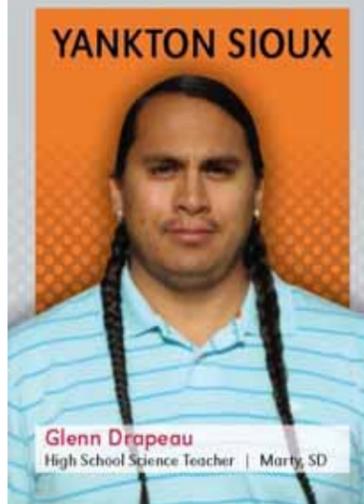
FURTHER INFORMATION:
What Teacher's Can't Do by Douglas Wood
National Science Teachers Association
www.nsta.org

BUILDING BRIDGES

SEPTEMBER 2014, NEWSLETTER

ISSUE 10

ROLE MODEL POSTER



LEARN MORE ABOUT OUR PROGRAMS:
Visit our website - www.unmc.edu/sepa

News Letter Committee
Maurice Godfrey
Kim Soper
Liliana Bronner
Shrawan (Sam) Kumar

HAPPY 2014-2015 SCHOOL YEAR TO ALL! DR. MAURICE GODFREY UNMC PROFESSOR & SEPA PROGRAM DIRECTOR

The SEPA program, ours and nationally, is going strong. As you will recall the National Institutes of Health (NIH) pulled the plug on SEPA about 18 months ago. Strong pressure from SEPA grantees and a unified voice from people like you across the country spoke loud and clear to Congress. SEPA was written into the last Congressional Continuing Resolution. NIH released a new call for proposals and the first applications were submitted to NIH this past July. We will apply for our third SEPA in June of 2015. Therefore, your ideas for novel approaches to engage teachers and students are more than welcome.

This summer we were entrusted by the Wagner Community School to help run one week of their summer school program. That was a new experience for SEPA and it certainly appeared that both teachers and students enjoyed the week. We also launched a new partnership with Mr. Greg Fripp and his Whispering Roots organization. You will all learn more about Aquaponics soon.

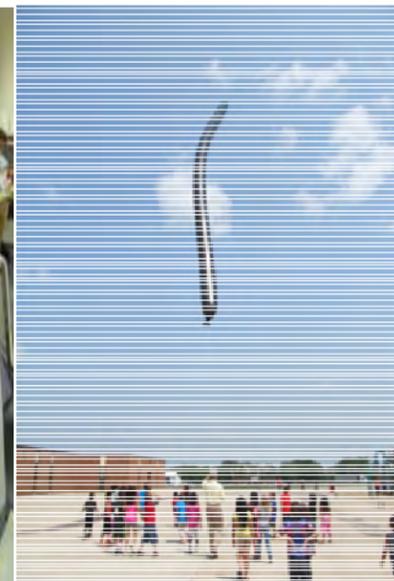
The Summer Science and Fun camp was held in partnership with Sanford Research and Augustana College in Sioux Falls. More than 40 students took part in numerous hands on activities over three days. We are planning to have the summer 2015 Camp at the University of Nebraska, Lincoln. Stay tuned for dates and program themes!

In March 2015 (precise date to be announced) we will have a Physiology Phun Day. It will be organized by the Physiology students at the University of Nebraska Medical Center. It’s design will be similar to Neurology Day that was held in 2013.

We have already scheduled some parent night programs with partner schools. Please let us know if you are interested in having SEPA participate in one of your school’s programs.

SEPA SUMMER PROGRAM WEEK AT WAGNER COMMUNITY SCHOOL—July 6-11, 2014

PICTURES BELOW: .Students from K to 8th grades were involved in science activities which included measuring the circumference of the largest cottonwood tree in South Dakota, 4th- 8th graders putting telescopes together and K-2nd grade students learning about solar energy.





WAGNER COMMUNITY SUMMER SCHOOL PROGRAM—2014

What a fun week was had by all. In total, 104 Kindergarten-3rd graders hunted insects, identified trees, went on nature walks, toured the butterfly house, handled some marine creatures on a field trip and had the opportunity to look at the night sky during the Star Party. About 65, 5-8 graders studied the very large and very small, using and building telescopes, measuring out the scale of the solar system as well as using microscopes to study very small organisms. A few students also had the experience of building an Aquaponics system for the school under the tutelage of Greg Fripp from the Whispering Roots organization. Jerome Kills Small, entertained the group with stories about the stars while we were waiting for darkness to come. There was a wonderful turn out of parents and other community members.



SEPA HEALTH & SCIENCE FUN CAMP—June 8 to 11, 2014—At Sanford Research & Augustana College in Sioux Falls, SD : Photos are highlighting activities of the 2014 SEPA Health and Science Fun Camp. An event coordinated in partnership Sanford Research and Augustana College in Sioux Falls, SD. Camp activities led by regional life scientists and medical professionals focused on the biology of plants and animals, as wells as medical research and technologies used to treat human disease. Participating schools were: Knollwood Heights Elementary, Leaflet Middle School, Marty Indian School, North Middle School, Santee Community School , St. Augustine Mission School, Todd County Middle School, Umo^{ho} Nation Public School, and Winnebago Public School.



SEPA TEACHER WORKSHOP AT MARINA INN, SOUTH SIOUX CITY FROM JUNE 17-19, 2014 AND AUGUST 4-6, 2014

In total, 13 teachers representing four different schools were in attendance. Kellen Conroy from ESU # 1 opened our day with work involving the designing and engineering of roller coasters. Vocabulary strategies, ways to integrate technology, writing in science and some Foldables© were also a part of the day. Tuesday found us honing our observation skills and learning about scientific argumentation and how to better incorporate it into our classroom discussion. Time was also given to prepare some materials to take back to our respective class rooms. Wednesday, we had Dr. Brent Khan share with us ways to lower our stress levels in the classroom and techniques we could also use with students.

The August 4-6, workshop was a variation on that same theme with the addition of Teri Hartman from the McGoogan Library doing our technology piece for us. We had 12 teachers from four different schools in attendance.



UPCOMING EVENTS

- 1. TODD COUNTY SCHOOL ADMINISTRATION MEETING—OCTOBER 8, 2014
- 2. ST. FRANCIS HIGH SCHOOL INSERVICE AND PARENT NIGHT - OCTOBER 14, 2014
- 3. TIOSPA ZINA SCIENCE FAIR AND PARENT SCIENCE NIGHT - DECEMBER 3, 2014

Email us for any questions: sepa@unmc.edu