

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.

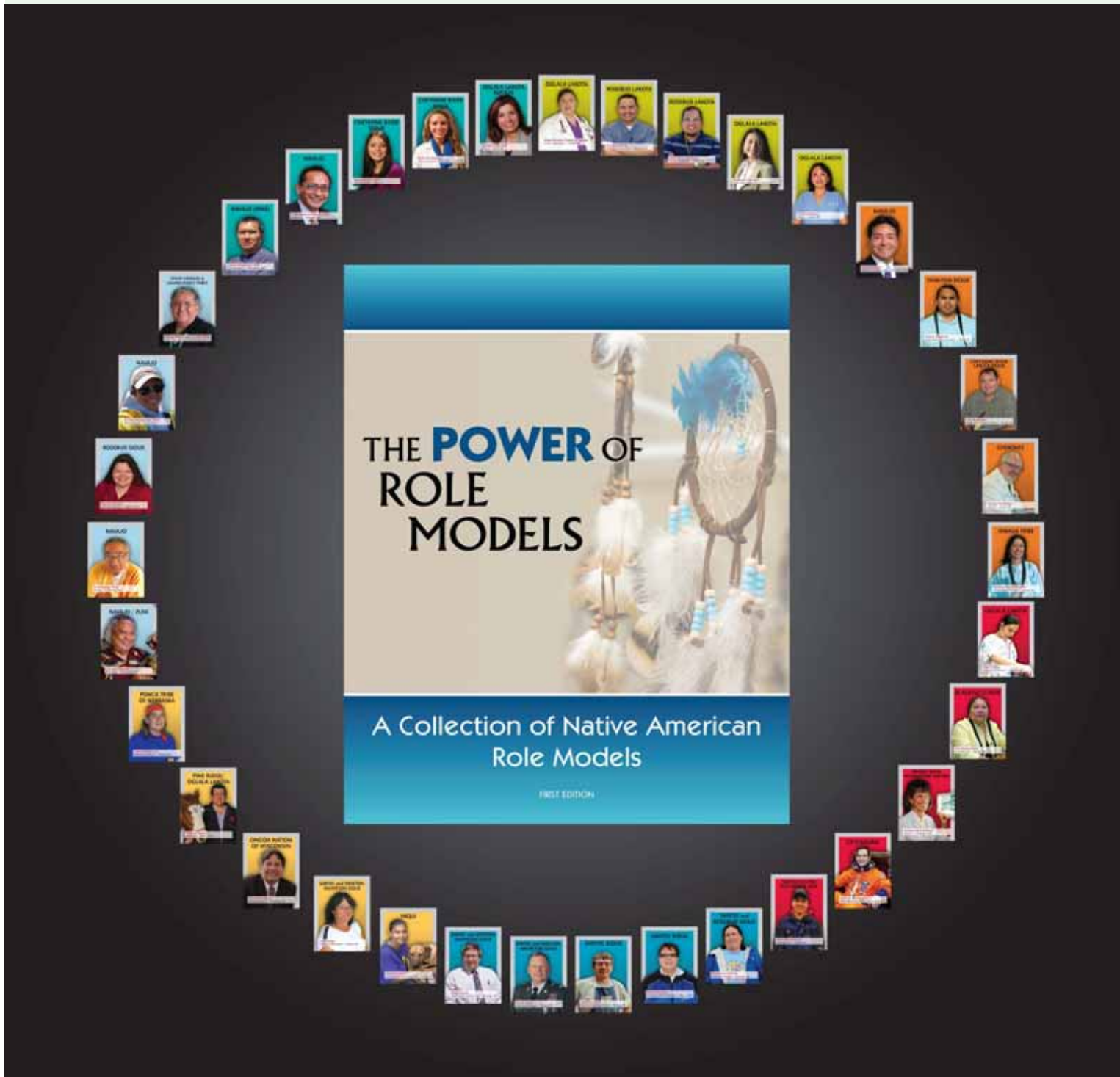
The Power of Role Models provides an interactive environment and updates in the lives and careers of the many people featured on the UNMC SEPA role model poster series. Embedded videos, live links to numerous education and career websites, and other resources are readily at hand. The Power of Role Models 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>



BUILDING BRIDGES

APRIL 2014, NEWSLETTER

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ROLE MODEL POSTER



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Visit our website - www.unmc.edu/sepa

News Letter Committee
Maurice Godfrey
Kim Soper
Liliana Bronner

SEPA NEWS AND PROGRAM FOR 2014

DR. MAURICE GODFREY
UNMC PROFESSOR & SEPA PROGRAM DIRECTOR

It is with great pleasure that I can officially announce that the SEPA program has received another year of funding from the National Institutes of Health (NIH). As you all know we were slated for elimination because of the "sequester". Many SEPA investigators, including myself, spent some time "educating" our congressional representatives and their staff about the importance and significance of this program. While it is an infinitesimally small portion of the NIH budget, its impact is broad. In fact, SEPA is likely among the most visible (to the general public) of all NIH programs.

The upcoming (early May 2014) national SEPA meeting will shed some light on the future of the program. If you have not written or called your congressional representatives to support this unique educational endeavor, it is not too late!

The UNMC SEPA program has maintained its activities throughout. We have visited many schools and have more activities planned before the end of this academic year. We are also geared up for several exciting summer program. Our Science Fun camp for middle school students will take place in Sioux Falls, SD in partnership with Sanford Research. There are two teacher professional development workshops planned, both in South Sioux City.

As always, please keep SEPA in mind as you begin planning family activities for the next academic year. We are always willing to spend some time in your schools/communities with science and health related activities. We welcome your input and ideas to strengthen and expand our partnership.

Have a wonderful, restful, and productive summer!

SEPA SCIENCE EDUCATION TOUR-2014—TODD COUNTY HIGH SCHOOL (ROSEBUD INDIAN RESERVATION) STUDENTS AND TEACHERS VISITED UNMC AND CREIGHTON—PICTURES BELOW—WITH DR. GODFREY, DR. KUMAR AND MR. RICARDO ARIZA, DIRECTOR, MULTICULTURAL AFFAIRS AT CREIGHTON—ATTENDED CREIGHTON UNIVERSITY ALL NATIONS POW WOW ON 5TH APRIL, 2014



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SEPA SCIENCE ACTIVITIES 2014 –TODD COUNTY HIGH SCHOOL STUDENTS VISIT TO ZOO & UNMC

PICTURES BELOW: On April 3rd, 2014, students spent the night at Omaha Zoo and Aquarium for educational program. At UNMC, Dr. Geoffrey Talmon discussed pathology of cancer and other diseases. Later on, students visited his Pathology lab to examine different human organs, such as liver, lungs, intestine, kidney etc. They also visited UNMC anatomy lab with UNMC High School Alliance students and examined human skeleton and anatomy of human heart.



PICTURES BELOW: In the afternoon, as seen in the pictures, students attended an informal talk by Dr. Julie Oestreich about pharmaco-genetic epidemiology and treatments of diseases specially associated with cardiac problem in Native Americans. Mr. Bargar (Electron Microscopy lab) gave a nice illustration of the use and importance of electron microscopy by using skin biopsy sample. Librarian Ms. Teri Hartman (Head, Education Dept., McGoogan Library of Medicine) gave an educational tour of the UNMC library and provided Medline research resources and evaluating health related web sites for career and scholarship opportunities. Students were able to experience an exciting first hand knowledge of the Sorrel Clinical Simulation Lab—students got to know about the high performing patient simulators - the mannequins which can breathe, react to treatments and even give birth. Also, as seen in the pictures, Mr. Jon Sample provided information about different simulators and practice skills needed for Laparoscopic and Endoscopic surgery.



SEPA SCIENCE ACTIVITIES IN MARCH, 2014 AT MARTY INDIAN MIDDLE SCHOOL : Pictures Below: On March 21, 2014, Ms. Soper, and Dr. Kumar visited Marty Indian Middle school for science program. All of the students from different grades were involved in hands-on-activities which involved science of thermal energy transfer. Students showed great interest and able to make Ice box and performed experiments associated with conduction, convection and radiation.



4TH ANNUAL ROSEBUD HEALTHCARE CAREERS DAY: SEPA team which included, Dr. Godfrey, Dr. Kumar, Dr. Khan and Ms Teri Hartman demonstrated science activities to generate interest in science and math for American Indian Middle and High school youths. We also provided UNMC brochures for summer medical and dental education program for Native Americans. More than 200 students participated in this fair at Sinte Gleska University Campus, Mission, SD on February 26, 2014. Students were lined up for stress test analysis done by Dr. Khan.



UPCOMING EVENTS

1. SEPA HEALTH & SCIENCE FUN CAMP—June 8 to 11, 2014—At Sanford Research & Augustana College in Sioux Falls, SD

Theme: Life Sciences & Human Health -

Our environment is shared by diverse organisms that impact human health and disease conditions. Camp activities led by regional life scientists and medical professionals will focus on the biology of plants and animals as well as medical research and technologies used to treat human disease.

We are very pleased to partner with Sanford Research to bring our SEPA summer camp to South Dakota again. Students will stay in the dorms at Augustana College and take part in numerous educational and fun activities. See you in Sioux Falls!

Login to register as soon as possible: http://www.unmc.edu/rhen/SEPA_StudentCamp.htm

2. SEPA TEACHER WORKSHOP 2014 - Two Choices! June 17-19 OR Aug 4-6, 2014

Marina Inn in South Sioux City, Nebraska

The SEPA Teacher Workshop for 2014 will be a unique experience and one that has not been done before. Our topics this summer are based on requests from teachers and schools that are varied in scope and dimension. The first day will have a Roller Coaster theme. Day 2 will focus on Tier 2 vocabulary strategies, ways to enlarge student vocabulary, student reasoning (argumentation) and sharpening their observation and critical thinking skills. On Day 3, our guest will be Dr. Brent Khan from UNMC talking about ways to manage stress in the classroom, both yours and your students. Practical strategies to use and teach students to help maintain a positive and calm classroom will be taught.

Come join us! All teachers are welcome - Make sure to register : http://www.unmc.edu/rhen/SEPA_Teacher_Workshop.htm

Email us for any questions: sepa@unmc.edu