



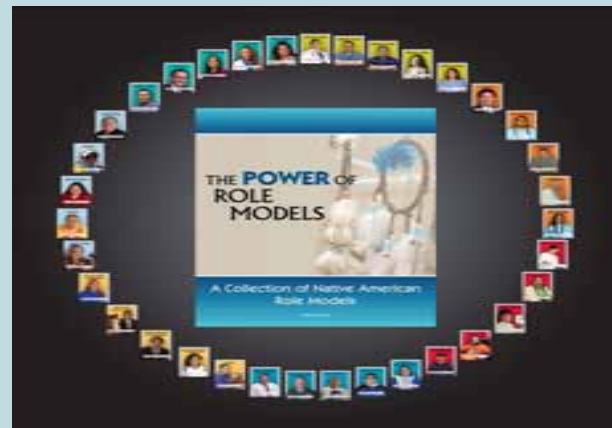
ANNOUNCEMENTS



Publication of SEPA Educational Calendar

We have published an educational calendar (2016 -2017—January to December, 2016 and January to July 2017 to keep up with the school year) for distribution to schools and other educational institutions. The calendar features information about our educational materials, role model posters and pictures of different educational activities. It showcases photos from SEPA health & science fun camp, teacher workshops, hands-on-activities and other programs.

Contact us at sepa@unmc.edu if you need a copy of the calendar for your classrooms or office.



SEPA iBook Publication, *The Power of Role Models*

The iBook may be downloaded at: (a minimum of 10 minutes or less is required to download—Depending on the internet speed)
<http://www.education.ne.gov/nebooks/ebooks/powerofrolemodels.ibooks>

The PDF is also available at:
<http://www.education.ne.gov/nebooks/ebooks/powerofrolemodels.pdf>

THE NEW ROLE MODEL POSTER—SET 9 WHICH INCLUDES SOUTH DAKOTA HEALTH PROFESSIONALS — IN PROCESS

Dr. Michelle M. Jacob
Yakama
Associate Professor
and Health Scientist
University of San Diego
San Diego, CA

WORDS OF WISDOM
Respect others, be observant, be thoughtful, be a good listener, be patient and never give up! You could help someone else solve a problem.

Role Model Posters

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. Set # 8 features: a dental assistant, pharmacy technician, biologist, nurse practitioner, and health scientist.



BUILDING BRIDGES

APRIL 2016 NEWSLETTER



!! COMPLETING 10 YEARS OF SEPA AND EXCITING NEWS !!

Dr. Maurice Godfrey, Professor and SEPA Program Director



Learn more about our programs: Visit our website - www.unmc.edu/sepa

It is with great excitement that we can officially announce that our third SEPA – “Accelerating Access” has been funded. Our official start date was April 1. This funds us until March of 2021. As you know, among the newest part are the focus on aquaponics and programs to introduce students to behavioral health careers. Myles Jones, MPH, an early and often supporter of our SEPA program, featured in our Role Model series, and current CEO of the HIS clinic in Sisseton, SD has highlighted this need. There are many jobs available now given the needs of the Indian Health Service. We want to be on the forefront of introducing students to these careers and providing the necessary motivation to your students. Our summer program for middle school students will be in Omaha June 5 to 8. Planning has begun and numerous activities for the students will be set. Our first summer program for high school students will be in the summer of 2017. That is another new initiative of SEPA III, a direct result on suggestions from our Advisory Board.

Finally, we all hope that you will continue to provide us with new ideas to bring health and science activities to your students. We all look forward to the next five years...and more.....!

Newsletter Committee

- Shrawan (Sam) Kumar
- Maurice Godfrey
- Kim Soper
- Liliana Bronner

SEPA PROGRAM: MOLECULES & YOU
EXPLORING GENES, SCHEMES AND MOLECULAR MACHINES

Pictures below – Molecular Biology Day was organized on February 29-30, 2016. Six different schools and 14 volunteers participated in this program in collaboration with Milwaukee faculties which included Dr. Herman and Dr. Franzen. The program was a huge success as more than 200 students and faculty members participated in this exciting activities.





SEPA — MOLECULAR BIOLOGY DAY

THE LIST OF THE SCHOOLS PARTICIPATED IN THIS HANDS-ON-ACTIVITIES PROGRAM WERE: MARTY INDIAN SCHOOL, SANTEE COMMUNITY SCHOOL, SOUTH SIOUX CITY HIGH SCHOOL, TIOSPA ZINA TRIBAL SCHOOL, UMONHON NATIONAL PUBLIC SCHOOL, WAGNER COMMUNITY SCHOOL, WALTHILL PUBLIC SCHOOL, WINNEBAGO PUBLIC SCHOOL

STUDENTS WERE INVOLVED IN DIFFERENT HANDS-ON-ACTIVITIES WHICH INCLUDED MAKING MODELS OF



WATER MOLECULES. STUDENTS DISCUSSED AND GAINED KNOWLEDGE ABOUTY THE POLARITY OF THE WATER



MOLECULES. After the activities—students were able to answer the following questions: What kinds of bonds can form between two adjacent water molecules? How does the size of oxygen's nucleus affect the distribution of electrons in the water molecule? They have also learned about amino acids—the building block of protein (20,000 different



The third part of the program was building a model of DNA that codes for a protein. They also explored molecular landscape in the form of puzzle demonstrating A. The Nucleus, B. The Endoplasmic Reticulum, C. The Golgi Apparatus and D. The Cytoplasm and Cell Wall



SEPA ORGANIZED SEVERAL EDUCATIONAL EVENTS IN 2016 List of the Events and Activities

- 1/14/2016 SEPA Partnership with college of nursing in January meeting on—14th January
- 1/26/2016 Meeting with Department of education for partnership with SEPA - January 26
- 2/26/2016 SEPA BOARD MEETING 29TH January, 2016
- 2/17/2016 VISIT TO WALTHILL – FAMILY Science Nights – FEBRUARY 17TH
- 2/18/2016 VISIT TO Family Science Night at Enemy Swim Day School—February 18
- 2/29/2016 MOLECULAR BIOLOGY DAY – FEBRUARY 29-30 - in collaboration with Milwaukee School of Engineering faculties which included Dr. Herman and Dr. Franzen
- 3/15/2016 Santee Science Night at Santee Community School—March 15
- 3/24/2016 March 24 – Life Gate Christian School—Science Day
- 4/07/2016 Native Indigenous Centered Education (NICE) - Family Science Night- April 7
- 4/11/2016 Science Education - Marty Indian School —April 11
- 4/11/2016 Family Science Night - Lake Andes School—April 11

UPCOMING EVENTS

1. BOARD MEETING:

Hilton Garden Inn, Sioux City, IA
Date: Friday, April 15, 2016 Time: 10:00 am – 2:00 pm

2. SEPA SUMMER CAMP

Biomedical /Health Science camp, June 5—8, 2016 In Omaha, Nebraska

<< Email us with your questions at sepa@unmc.edu >>