



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>

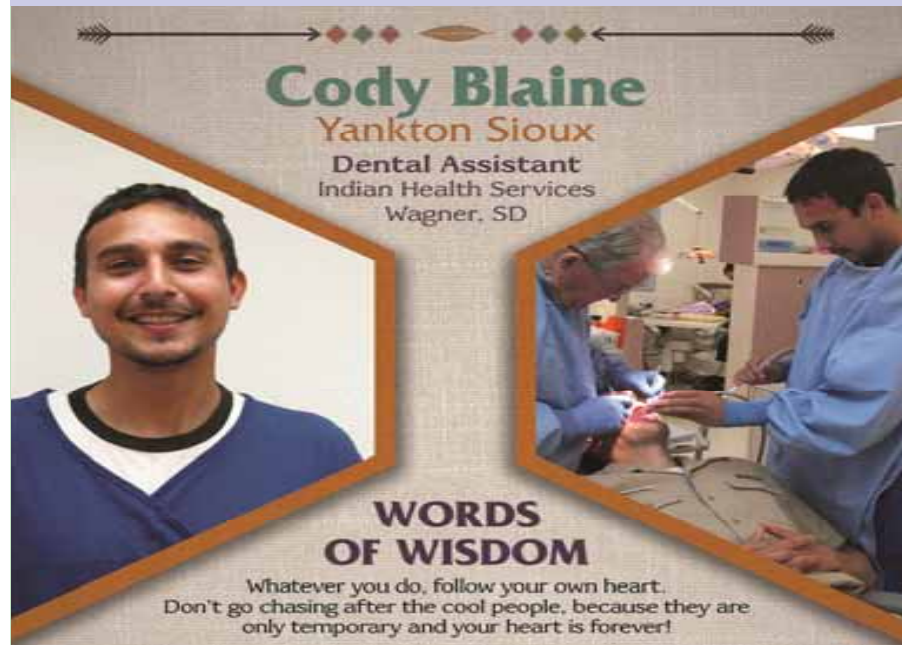
THE NEW ROLE MODEL POSTER—SET 9 WHICH INCLUDES SOUTH DAKOTA HEALTH PROFESSIONALS — IN PROCESS

MOLECULES DAY

Exploring Genes, Schemes, and Molecular Machines

March 1, Marina Inn, South Sioux City, NE

In Collaboration with SEPA program from the Milwaukee School of Engineering - Dr. Tim Herman



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



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

Newsletter Committee

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

!! 2015 — SEPA YEAR IN PERSPECTIVE !!

By Dr. Maurice Godfrey, Professor and SEPA Program Director

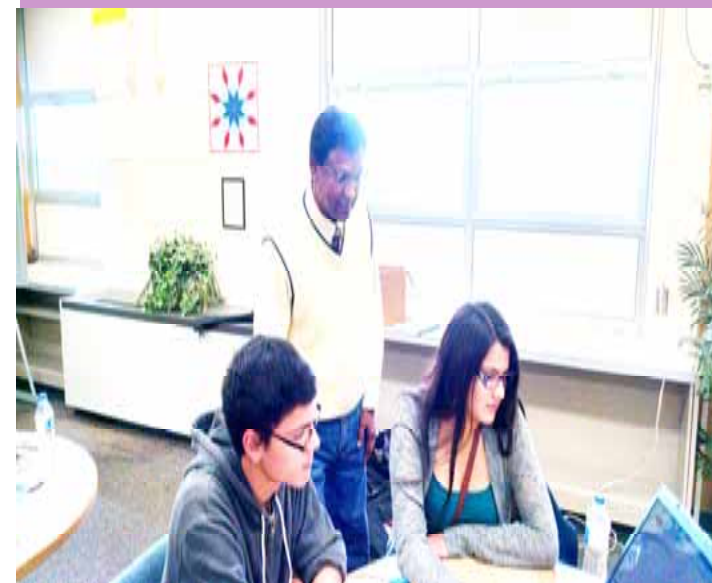
Happy New Year!! As you might have heard by now our new SEPA proposal (SEPA III) was favorably reviewed last October. We received a very good score. As we go to print with this Newsletter, however, we have not had THE official official word from NIH. Before an award can be made a second external group known as "Council" has to give their okay. Our Council meets/met some time towards the end of January. It is possible that a little snow in Washington has rearranged the schedule. Nevertheless, we have been contacted by other NIH bureaucracies in anticipation of receiving our third SEPA. None of us are counting our chickens just yet, but they are visible.....

In the meantime we will carry on with our programs. Our next big program will be "Exploring Genes, Schemes, and Molecular Machines on March 1 at the Marina Inn. We are partnering with the SEPA program from the Milwaukee School of Engineering. Dr. Tim Herman, a native Nebraskan, leads their program and will bring his team to South Sioux City for a day of hands-on exploration of water, salt, DNA, and other molecules. Details will follow.

SEPA ACTIVITIES IN FALL /WINTER 2015

We have held several SEPA science activities covering topics related to genetics, biology, chemistry, forensics, physics and earth sciences. Our program has impacted more than four thousand students this year from SEPA partner schools on Native American reservations in Nebraska and South Dakota.

Pictures below –Scrubs Camp at Todd County High School: Our SEPA team Drs. Godfrey and Kumar demonstrated science related hands-on-activities. Students are engaged in stress management test and discussed a variety of science and wellness themes that provide enrichment beyond their regular class rooms. Also, involved in discussion about job opportunities in science and health related fields.





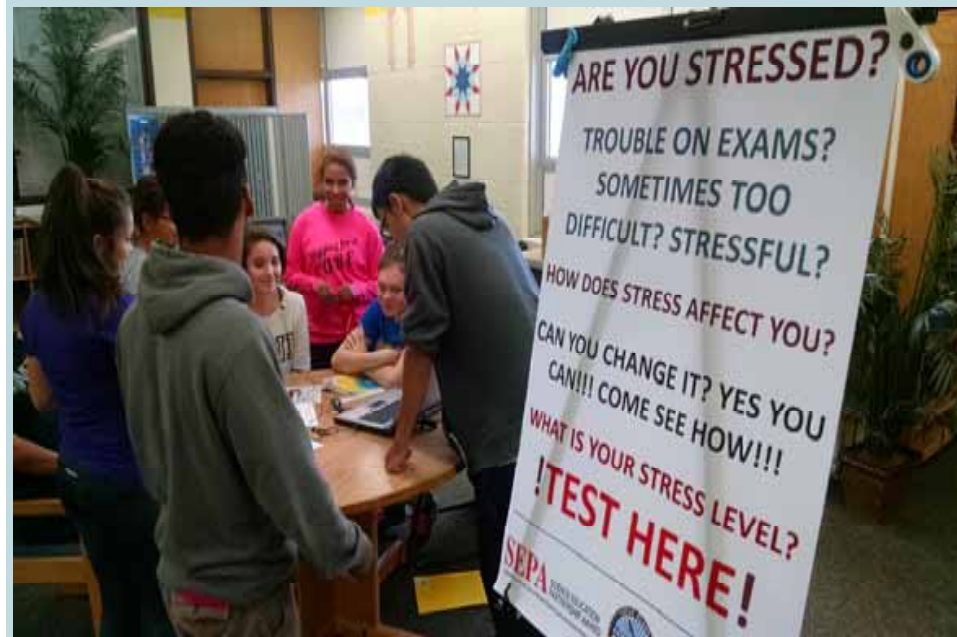
SEPA — SCRUBS CAMP AND SCIENCE NIGHTS

PARTICIPATED IN DIFFERENT HEALTH SCIENCE RELATED SCRUBS CAMP AND SCIENCE NIGHTS. MORE THAN 500 HIGH SCHOOL STUDENTS LEARNING ABOUT HEATH CAREERS AND JOB OPPORTUNITIES IN



SCIENCE, MEDICAL AND NURSING REALTED FIELD. STUDENTS WHO ATTENDED THE CAMP, MORE THAN 95% EXPRESSED THEIR INTEREST IN SCIENCE AND WOULD LIKE TO ATTEND COLLEGE AFTER GRADUATING FROM HIGH SCHOOL.

SCIENCE NIGHT AT SISSETON AND MARTY WAS A GREAT SUCCESS. FAMILY SCIENCE NIGHT PROVIDED AN OPPORTUNITY TO EXPLORE SCIENCE TOGETHER. SEPA ORGANIZED SCIENCE REALTED HANDS-ON-ACTIVITIES, STRESS MANAGEMENT AND PHYSICAL WELLNESS.



SEPA ORGANIZED SEVERAL EDUCATIONAL EVENTS IN 2015 List of the Events and Activities

1/5/2015 1/28/2016	Omaha Nation School Workshop- St. Augustine Catholic Schools Week-	Enhancing teaching and learning using foldables in the classroom Birds & Science Safety Game
2/26/2015 2/27/2015	Pierre Learning Center- NICC Math Day-	Genetics related activities Co-sponsor of an exciting Math competition
3/3/2015 3/10/2015 3/23/2015 3/26/2015 3/30/2015 3/31/2015	Phun Day- HAL Program Russel middle - Wagner Family Science Night - Santee Family Science Night- Elkhorn Science Instruction- NNAHEC Science Meet-	Day-long physiology related activities for middle and high school students Genetics related activities Engaging the community with science Engaging the community with science Genetics related activities Judging in Sidney NE
4/13/2015 4/23-27/2015	Marty Phun Day- Todd County Visit to UNMC and Zoo -	Physiology activities Overnight at the Omaha Zoo and hands-on activities at UNMC
5/28/2015 5/29/2015	Nebraska Middle Level Academy – Workshop NICC –	Presentation on Winning Words for Success Foldables and strategies for struggling learners
6/7-10/2015 6/15-18-2015	Summer Camp - Teacher Workshop -	The science of Chemistry Aquaponics and introduction to co-culture of fish and plants
7/6-10-2015	Wagner Summer School-	Science of the hearing and sound
9/18/2015 9/21/2015	OPS Workshop- Walthill Inservice –	Winning Words/ Math Cards Sharing latest products with staff
10/5/2015 10/8/2015 10/23/2015	Tiospa Zina Inservice – Marty Science Class - Todd County -	Explaining Winning Words and Math Cards Science related hands-on-activities Scrubs Camp
11/23/2015	Marty Science Night -	Engaging the community with science
12/3/2015 12/8/2015	Sisseton Science Night - Elkhorn -	Engaging the community with science Genetics related activities

UPCOMING EVENTS

- 1. BOARD MEETING:** Marina Inn and Conference Center in South Sioux City, Nebraska
Date: Friday, January 29, 2016 Time: 10:00 am – 2:00 pm
- 2. MOLECULES DAY** Tuesday— March 1, 2016 — More Information to Follow !!
- 3. SEPA SUMMER PROGRAM** June 5—8, 2016 In Omaha, Nebraska — Details to come !!

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