WORKSHOPS ~ THURSDAY ~ 1:00-5:00 P.M.	
NOTE: PRESENTATION TIMES VARY	
Technology *CCC Dining Hall Center* 7-9	**Integrating Math and Science with Data Collection and Analysis Using CBL Systems and the TI-84** *Sally Harms, Tami Worner* During the workshop, teachers will be using the TI-84 and CBLs to collect and analyze data. Several short activities will be completed and ready-to-use activities will be available. If you already have a DBL and a TI-84 and want a refresher or an introduction on how to collect data and/or extra the data from the calculator, this workshop is for you. **Limited to 15 participants.**
Elementary *CCC Dining Hall East*	**Energize Your Students!** *Diana Luscher* Educators learn about energy and will participate in hands-on activities. Sound, heat, light, motion, and…will be highlighted.
Chemistry *CCC Dining Hall West* 7-16 Post Secondary 1:30-5:30	**Nebraska School Chemical Cleanout Campaign** *Dave Waddell, Jane Polson, AJ Kluthe, Allen Grell* Across Nebraska school science stockrooms hold highly hazardous chemicals, which pose serious risks to teacher and student safety. This workshop will describe these chemicals, provide training in their proper storage and handling, and describe a new state-wide program for the safe disposal of these unneeded chemicals.
Proett Lower Calvin *6-12*	**Nebraska Amphibian Project** *Elizabeth Mulkerrin* The Nebraska Amphibian Project Workshop is designed to give an introduction to the statewide amphibian survey project and how you and your students can become actively involved with scientist across Nebraska. The workshop will introduce you to the amphibian crisis; provide classroom curriculum and the required protocol to collect data
Elementary *Eppley Lower Level Room 1* K-6	**Integrating Literacy into Inquiry Based Programs (FOSS Emphasis)** *Lesley Thompson, Janet Lanting* Presenters will provide an introduction to inquiry based science techniques by modeling a hands-on lesson from the FOSS "Magnetism and Electricity" kit. They will demonstrate and provide a list of non-fiction books and accompanying literacy activities that can be integrated into this kit. The format they will present for literacy infusion can be applied to all FOSS kits.
Integrated *Off-Site University of Nebraska Medical Center* 7-12	**Science Teacher Connections Workshop** You must pre-register for this workshop at **http://www.unmc.edu/RHEN**. **NOTE: TIME DIFFERENCE** **Workshop—8:15 a.m.-2:15 p.m. *AND* Optional Tour of Hospital—7:45-8:15 a.m.** *UNMC Science/Research Faculty* Up to 20 rural secondary science teachers spend a half-day with UNMC scientists and researchers, while learning recent advances in science and share health care classroom experiences with their colleagues. Teachers must pre-register by September 24th for up to four individual sessions to be tailored to teacher interests. Applications will be available online by August 22nd at http://www.unmc.edu/RHEN. **Limited to 20 participants.**

Air-port Accessibility

An air-port is provided for those wishing to check their email via their own laptop computer. You will need to have your own air-port card in your computer. Signal strength will vary throughout the camp. The strongest signal will be found in Proett.

Early Morning Bird Walk	**FRIDAY**	**6:30 A.M.**
With the Brogie Brothers	**Meet Outside Proett**	

SESSION 1	**FRIDAY**	**8:30-9:30 A.M.**
CCC Dining Hall West	Take Time to Visit the Vendors!!!	
Chemistry *CCC Dining Hall Center* 7-12	**Separation Anxiety—I Think Not!!** *Lisa Bryan, Vicki Clark* An informative and engaging session addressing the separation of mixtures including chromatography and density.	
Earth/Space Science *CCC Dining Hall East* 4-12	**Day Time Astronomy – Planisphere, Constellations, and Planets in the Night Sky** *Angelo Casaburri* Construct a planisphere and locate the constellations in the night sky. Determine the distances of the planets in the solar system by constructing a linear model of the solar system using yarn and pony beads. Construct a radial model of the solar system and locate the planets in the night sky.	
General *Eppley Lower Level 1* All	**Energy Everywhere: From Cell Phones to Nukes!** *Hakan Armağan* Join us to understand the energies from cell phones, microwaves to X-rays, and to nukes and their effects on you. This is a good overview of electromagnetic spectrum so that you can teach to your kids at any level. A take home worksheet will be provided.	
Integrated *Proett Area Lower Calvin* 4-6	**Pest Private Eye: A role-playing game that teaches youth problem solving and use of low-toxic methods for controlling pests that invade school, library, and home environments.** *Erin Bauer, Clyde Ogg* This presentation will discuss an educational role-playing game, *Pest Private Eye* and how it can be used to teach children and educators in Nebraska K-12 schools about pests and the low-toxic control method, Integrated Pest Management (IPM), through science curriculums and other programs.	
Proett Area Lodge Upper 7-12	**Science Olympiad** There will be a different event each session. Come for one or all to hear how successful Science Olympiad coaches integrate events into their curriculum as well as prepare teams for competition.	
Biology/Life Science *Proett Area Lodge Lower* 7-12	**Crazy Traits and Adaptations: Genetics Games for All** *Jessie Herman Thompson* Use a one-of-a-kind creature building system to explore the role chance plays in an organism's heredity. Play the adaptations game to model how the environment influences a species survival. Learn great classroom ideas for the concepts of genes, traits, heredity, and probability. Free raffle for a Crazy Traits kit!	
Environmental Science *Proett Lower Jones* 7-12	**Using American's Lost Landscape: The Tallgrass Prairie in the Classroom** Two Hour Session *Daryl Smith* A discussion of the making of the film and the development of the Lost Landscape Curriculum Project with hands-on activities from selected units.	
General *Proett Lower Nelson N* 4-12	**Ideas for Teaching General Science** *Gayle Ellison* The session is on things I use to help teach a general physical science class. Topics include magnetism, electricity, light, sound, forces, and chemistry.	
Elementary *Proett Lower Nelson S* K-3	**Primary Science through Songs and Literature** *Sally Hansen* Teach science content, critical thinking, and language skills through music, literature, and poetry. Presenter will model use of songs and literature to engage students and foster critical thinking, problem solving, and language arts skills. Music and picture books aren't just for kindergarten anymore!	
OFF SITE SESSION	**FRIDAY**	**9:00 A.M.-3:30 P.M.**
	Meet outside Proett for 9:00 A.M. departure	
9:00-3:30 Field Trip- Biology *Meet outside the CCC Dining Hall East* All	**Field Trip- Project WILD at Camp Fontanelle** All Day Workshop *9:00 am – 3:30 pm* *Trent Meyer* An outdoor training workshop at Camp Fontanelle using the Project WILD Curriculum Guide. Activities are correlated to the Nebraska Education Standards in math, science, social studies, and language arts. Participants will receive a free 500+ page Project WILD guide and a 200+ page Aquatic guide including standards correlations upon completion of the workshop. Transportation (for up to 10) and lunch will be provided.	

SESSION 2	FRIDAY	9:40-10:40 A.M.
CCC Dining Hall West	Take Time to Visit the Vendors!!!	
Chemistry *CCC Dining Hall Center* 7-12	**Air: A Weighty Matter and Colorful Electrons** *Randy Emry, Robert Curtright* Emission and absorption spectra of atoms and molecules. Finding mass of air in household containers to learn change in pressure.	
Integrated *CCC Dining Hall East* All	**School-wide Recycling** *Kelly Smith, Pamela Galus* Want to make your school green? Come to this session to find out how to start recycling including logistics, obstacles, benefits, and building enthusiasm. Participants will do hands-on activities and receive multiple free items to help them get started.	
Eppley Lower Level 1 7-12	**Grades 7-12 Nebraska Science Standards Revision Input** *Jim Woodland* State Science Standards are up for revision. Come to this session to learn more about the process and how you can contribute to the discussion.	
Science/Technology/ Society *Proett Area Lower Calvin* 9-12	**UNL's Advanced Scholars: Online College Credit for High School Students** *Rhnissa Decker* UNL's Advanced Scholars program enables school to offer qualified students the opportunity to enroll in online UNL courses for college credit at a reduced tuition rate. Advanced Scholars helps schools respond to demand for college level courses, keeps students academically challenged, and prepares them for the rigors of college coursework.	
Proett Area Lodge Upper	**Science Olympiad** There will be a different event each session. Come for one or all to hear how successful Science Olympiad coaches integrate events into their curriculum as well as prepare teams for competition.	
Biology/Life Science *Proett Area Lodge Lower* 9-Post Secondary	**Building Body Systems (www.anatomyinclay.com)** *Douglas Cortese* Build muscles and other body systems in clay and attach them to skeletal models. Teachers will learn how to work "hands-on" anatomy programs into their time frame, curriculum, and teaching style.	
Proett Lower Jones	**Using America's Lost Landscape: The Tallgrass Prairie in the Classroom** Continuation	
Earth/Space Science *Proett Lower Nelson N* All	**Laboratory Earth: Earth's Changing Systems** <u>Two Hour Session</u> *Dave Gosselin* Change is the only constant in the Earth system. Participants in this session will be engaged in several activities that will expose them to a variety of resources that they can use to help their students investigate the concept of change and the impact of humans on the environment.	
Earth/Space Science *Proett Lower Nelson S* K-8	**Fun with Soil** Kristi Reinsch Come participate in fun, standards based activities designed to help students identify the three major types of soil and their properties.	

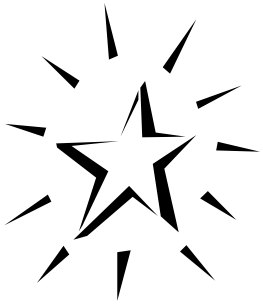
ACRONYMS

AAAS	American Association for the Advancement of Science	**NCTM**	National Council of Teachers of Mathematics
AAPT	American Association of Physics Teachers	**NDE**	Nebraska Department of Education
ACS	American Chemical Society	**NEEA**	Nebraska Environment Education Association
APS	American Physical Society	**NERDS**	Nebraska Educators Really Doing Science
BaP	Building a Presence	**NESEN**	Nebraska Earth Science Education Network
CESI	Council for Elementary Science International	**NEO**	Nebraska Energy Office
HPC	High Plains Consortium	**NJAS**	Nebraska Junior Academy of Science
KICKS	Keep Improving Content Knowledge & Skills	**NOFEE**	Nebraska Organizations for Environmental Education
McREL	Mid-Continent Regional Educational Laboratories	**NRC**	National Research Council
NABT	National Association of Biology Teachers	**NSF**	National Science Foundation
NAS	Nebraska Academy of Sciences	**NSTA**	National Science Teachers Association
NATS	Nebraska Association of Teachers of Science	**TESS**	Teachers of Elementary School Science

SESSION 3	FRIDAY	10:50-11:50 A.M.
CCC Dining Hall West	Take Time to Visit the Vendors!!!	
CCC Dining Hall Center	**New and Pre-service Teacher Meeting**	
Chemistry *CCC Dining Hall East* 7-12	**Chemistry is Puzzling** *Deirdra Washington, Gwen Smith* Using open-ended chemistry puzzles to inspire inquiry in the science classroom.	
Eppley Lower Level 1 K-6	**Grades K-6 Nebraska Science Standards Revision Input** *Jim Woodland* State Science Standards are up for revision. Come to this session to learn more about the process and how you can contribute to the discussion.	
Science/Technology/ Society *Proett Area Lower Calvin* 9-12	**UNL's Independent Study High School: Expand Your High School Options** *Rhnissa Decker* Learn how online high school courses can help provide more options to students. UNL's Independent Study High School provides online and print-based high school courses in core, elective, and Advanced Placement courses. This ISHS program is fully accredited by NCA and NDE, and listed in Rule 10 as an asynchronous courses provider.	
Proett Area Lodge Upper	**Science Olympiad** There will be a different event each session. Come for one or all to hear how successful Science Olympiad coaches integrate events into their curriculum as well as prepare teams for competition.	
Biology/Life Science *Proett Area Lodge Lower* 7-12	**Activities for Anatomy and Physiology** *Marsha Stewart, Deb Koehlmoos* Teachers will participate in games, activities, and labs for various A&P. We will experiment with toobers, hammers, muscle fatigue, and more.	
Proett Lower Jones		
Proett Lower Nelson N	**Laboratory Earth: Earth's Changing Systems** Continuation	
Elementary *Proett Lower Nelson S* 4-6	**<u>Mini Sessions – 30 Minutes Each</u>** **Safari in a Box** *Colleen Lux* Safari in a Box is a K-12 educational kit designed to provide a hands-on wildlife experience. The kit contains skulls, pelts, rubber tracks along with lesson plans, videos, etc. Handouts from a few lessons will be provided as well as information on how to apply for a grant to receive your own Safari in a Box.	
4-8	**Differentiated Activities in the Science Classroom** *Lisa Fanning, Laura Galus* This session will review a variety of resources and projects that will laid in assessing student knowledge of science concepts. These projects and resources address different levels of abilities seen in a typical classroom. How teachers can implement science inquiry, process skills, and rubrics will be explored in this session.	

SESSION 4	FRIDAY	1:30-2:30 P.M.
CCC Dining Hall West	Take Time to Visit the Vendors!!!	
CCC Dining Hall Center 4-8	**Elephants in Your Classroom** Two Hour Session *Kathy French* Nebraska has incredible fossil elephants! Now they can come to your classroom. Dig for fossils, investigate the rock record, observe modern behavior, and explore conservation efforts. These activities are part of a new kit you can use in your classroom. Come see how much fun your students will have!!	
Physics/Physical Science *CCC Dining Hall East* 4-6	**Rollercoasters** *Jane Wooldrik, Cindy Stollberg* Participants will make a rollercoaster using classroom materials. Concepts include motion, force, inertia, potential energy, and kinetic energy.	
Physics/Physical Science *Eppley Lower Level 1* 9-12	**Building Momentum** – a NSF GK-12 Opportunity Grant for High School Science Teachers *Steve Wignall, Dan Claes, Stephen Ducharme* In this session the participants will be introduced to the *Building Momentum* grant. The impact of this grant will be to enhance the teacher's ability to incorporate the STEM (Science, Technology, Engineering, and Math) topics into their dialing teaching. This will be accomplished by pairing teachers with research graduates from UNL that will help them develop and teach cutting edge lessons in their classroom, have teachers do physics and physical science training through workshops or summer internships at the university, and give teachers activities and labs ready to be used in the classroom. Teachers in this session will have the opportunity to consider or sign-up for future involvement in this grant.	
Integrated *Proett Area Lower Calvin* 4-8	**Antarctica's Climate Secrets: Discovering ANDRILL through Flexhibits** *Anica Brown* Through the compelling story of ANDRILL (ANtarctic geological DRILLing), participants will be shown how to infuse hands-on climate change activities into their current curriculum so that students can experience authentic science. Participants will receive the poster "Antarctic Today" and the link to the full set of *Antarctica's Climate Secrets* resources.	
Proett Area Lodge Upper 7-12	**Science Olympiad: Write It, Classify It: One Kit, Many Possibilities!** *Anna Detlefsen* Come and get ideas about using dichotomous keys and writing in the classroom. Creating a kit of common "stuff" provides students a challenge as they develop their own keys. With the same kit, the Science Olympiad event *Write It, Do It* can be done in the classroom. Novice and pre-service teachers are encouraged to attend.	
Physics/Physical Science *Proett Area Lodge Lower* 9-Post Secondary	**Using Work to Stretch Your Potential** *Tyler Berzina, Jason Krska* Come experience a straightforward storyline for introducing elastic potential energy and power in a meaningful way that is guaranteed to excite your students.	
Earth/Space Science *Proett Lower Jones* 9-12	**Geographic Information Systems (GIS) and Remote Sensing** *Milda Vaitkus* An introduction to geographic information systems and remote sensing. The focus is on using these technologies in teaching geography and earth sciences. Applications to easily available software will be emphasized.	
General *Proett Lower Nelson N* All	**Assessing what Students Know – A Biology Course Example** Two Hour Session *Dan Carpenter* Have you ever wondered what your students really know and can do? Come for a fun, hands-on, authentic series of formative and summative examples using a progressive assessment model.	
Elementary *Proett Lower Nelson S* 4-6	**Focus on Ecosystems** *Natalie Shepard* Looking for ideas to make the teaching of ecosystems more fun? Join us as we experience hands-on activities to enhance your ecosystem unit.	

SESSION 5	FRIDAY	2:40-3:40 P.M.
CCC Dining Hall West	Take Time to Visit the Vendors!!!	
CCC Dining Hall Center	**Elephants in Your Classroom** Continuation	
CCC Dining Hall East		
Eppley Lower Level 1		
Assessment *Proett Area Lower Calvin* 4-12	**Science and Technology that Click** *Glena Withers, Darcy Weldon* Learn how an elementary teacher and a high school teacher are making science assessments fun for students, easy to grade, and reporting results a breeze using Microsoft PowerPoint and clickers from eInstruction.	
Proett Area Lodge Upper	**Science Olympiad** There will be a different event each session. Come for one or all to hear how successful Science Olympiad coaches integrate events into their curriculum as well as prepare teams for competition.	
Physics/Physical Science *Proett Area Lodge Lower* 9-12	**Physics CSI…Calculus for Simplifying Investigations** *Justin Boerma, Sharon Hanson, Jim Fitzgarrald, Todd Ascherl, Cindy Borland, Sabrena Clinebell, Amy Sander, Patty Ronspics, Susan Frack, Trent Walters, Jim Sherwood* This session is designed to teach simple calculus to anyone in 20 minutes and show how these applications can be used in the science classroom. Vernier applications will be demonstrated and applied.	
Elementary *Proett Lower Jones* K-3	**Energize Your K-3 Students** Two Hour Session *Diana Luscher* Educators learn about energy and will participate in hands-on activities. Sound, heat, light, motion, and…will be highlighted.	
Proett Lower Nelson N	**Assessing what Students Know – A Biology Course Example** Continuation	
Chemistry *Proett Lower Nelson S* 4-8	**Making Inquiry Engaging, Interactive, and Just Plain Easy!** *Carrie Rath, Alyssia Wilkinson* We will share several interactive lab activities using basic household products. Teachers will work away with a lab packet of ideas, which focus on inquiry based learning.	



NATS is Proud to Honor the Following 2008 Catalyst Award Winners for Their Contributions to Science Education in Nebraska

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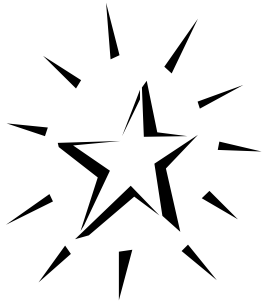

SESSION 6	FRIDAY	3:50-4:50 P.M.
CCC Dining Hall West	Take Time to Visit the Vendors!!!	
Elementary *CCC Dining Hall Center* K-3	**Penguin Educator Trunk** *Julie Anderson, Sara Veloso* Check out the new penguin trunk available for use in your classroom! This trunk is filled with books, movies, and best of all, a full set of lessons and activities that will engage your students and peak their interest.	
Environmental Science *CCC Dining Hall East* 4-6	**Habitat is Where It's At!** *Sherry Loos, Carla Ross* Students become bears to look for one or more components of habitat. They will be able to define a major component of habitat and identify a limiting factor. This will involve active participation. (Based on a Project Wild activity.)	
General *Eppley Lower Level 1* All	**Nebraska Game and Parks Lab Activities – 1980-Present** *Dave Oates* Many items that deal with wildlife or related items eventually seem to appear in the lab. Things like odd, sick, injured, endangered, dead, or prehistoric. Some things I've collected and so could students. Several law enforcement cases will be mentioned.	
Inquiry *Proett Area Lower Calvin* 9-12	**Models for Incorporation of Research into the Classroom** *Dana Richter-Egger* This presentation focuses on our plan to get more high school students involved in chemical/environmental research for the purpose of providing the students with authentic scientific (research) experiences and increasing their interest in science. This is an expansion of our efforts over the past five years to involve (thousands) of first and second year college students in the study of soil contamination and drinking water composition. The project structure, organization, and outcomes will be described.	
Proett Area Lodge Upper	**Science Olympiad** There will be a different event each session. Come for one or all to hear how successful Science Olympiad coaches integrate events into their curriculum as well as prepare teams for competition.	
General *Proett Area Lodge Lower* All	**The Doc Gizmo Science Theatre** (Presentation will repeat Saturday at 8:30.) *Phil "Doc Gizmo" Arnold* Fifteen or more discrepant science demonstrations that you can use in your classroom to encourage your students to find science exciting and rewarding. Make science come alive for your students. "Doc" has now shown over 152,000 students a better way to peal a banana. We have changed the way science is taught in some schools throughout the Midwest (Nebraska, Kansas, Missouri, Arkansas, Oklahoma). Still having fun and creating some excitement!	
Proett Lower Jones	**Energize Your K-3 Students** Continuation	
Earth/Space Science *Proett Lower Nelson N* 7-9	**Mapping Our Way through Science** *Mary Lou Alfieri, Corky Neumann* Map the major migratory bird flyways. Find wetlands on a map using wetland address cards. Make a wetland in a pan. Make s watershed. Students follow a waterway noting sites that cause water quality to decrease.	

NJAS Meeting	FRIDAY	5:00-6:00 P.M.
NJAS *CCC Dining Hall West*	**Meeting of NJAS Regional Directors and Teacher Representatives** *Aurietha Hoesing* The purpose of this meeting is to conduct the business of NJAS and provide updates for regions and state-wide.	

Early Morning Bird Walk ***With the Brogie Brothers***	**SATURDAY** **Meet Outside Proett**	**6:30 A.M.**

SESSION 7	**SATURDAY**	**8:30-9:30 A.M.**
CCC Dining Hall West	**Take Time to Visit the Vendors!!!**	
Integrated *CCC Dining Hall Center* 7-9	**Integration of Cross-Curriculum into Science** *Corky Malmberg* Rainforest and ocean cross-curriculum units will be presentation, Math, language arts, art, and science are all interwoven as research, exploration, and inquiry activities as students proceed through the unit. DCs of activities will be given to all.	
Earth/Space Science *CCC Dining Hall East* 7-12	**Floods and Flows—Relating Earth's Geology to Mars** *Susan Frack* Learn to use Earth's geology from NW U.S. to explain Mars geology and geologic history.	
Biology/Life Science *Eppley Lower Level 1* 7-12	**Nebraska Bionet (NEBIONET): An Internet/Email Communication System for Biology Teachers** *Robert Muckel* In 1995, I started a free internet/email communication system for biology teachers called NEBIONET. The purpose of the organization is to share information and resources for biology teaching. My presentation involves describing NEBIONET and sharing some of the communications between fifty high schools in the organization.	
Technology *Proett Area Lower Calvin* K-6	**Integrating Technology into the Elementary Science Classroom** *Robin Colling* Participants will be provided with a list and DC with resources and student examples of how they can integrate technology into the science classroom. Websites, videos, photos, templates, and ways to use these resources to enhance elementary science curriculum will be presented along with ways in which to assess activities.	
Biology/Life Science *Proett Area Lodge Upper* 7-12	**Simple Ecology Demonstrations/Activities for the Classroom** *Klark Knipe, Barb Kuntz, Tricia Hirschfeld, Douglas Stutzman, Dan Schmidt, Keith Trusty, Mitch Osborn, Valerie Kershner* Presentation includes a number of different activities or presentations on ecology ranging from ecosystem complexity to natural selection.	
General *Proett Area Lodge Lower* All	**The Doc Gizmo Science Theatre** (Repeat of Friday 3:50 presentation.) *Phil "Doc Gizmo" Arnold* Fifteen or more discrepant science demonstrations that you can use in your classroom to encourage your students to find science exciting and rewarding. Make science come alive for your students. "Doc" has now shown over 152,000 students a better way to peal a banana. We have changed the way science is taught in some schools throughout the Midwest (Nebraska, Kansas, Missouri, Arkansas, Oklahoma). Still having fun and creating some excitement!	
Proett Lower Jones	**Life Science Games** *Anne Weber, Susie Bopp-Esch, Christy Hodges, Marci Meyer, Annie Sokol, Trent Walters* Are you looking for a way to drive home concepts in an interesting way? Do you want to engage your students? Come explore an array of life science activities of different lengths and of different subtopics addressing Nebraska standards. You will leave with a bag of tricks.	
Earth/Space Science *Proett Lower Nelson N* K-6	**Cyclomania** *Mary Ann Niemoth, John Niemoth* Carbon, rock, and water cycles will be presented in a variety of hands-on activities. Grades Levels: 2-4.	
Elementary *Proett Lower Nelson S* K-3	**What Can I Teach with Birds?** *Kim Soper* Birds are a great vehicle to teach many different science and math standards, plus they are beautiful and fun. Come get some great ideas and make your year soar. Participants can purchase a CD of materials. *Optional Fee: $5.00* (Cost is for CD of materials.)	

SESSION 8	SATURDAY	9:40-10:40 A.M.
CCC Dining Hall West	**Take Time to Visit the Vendors!!!**	
Inquiry *CCC Dining Hall Center* 7-9	**Inquiry for Dummies—Improve Student Success by Incorporating Inquiry Based Lessons** Two Hour Session *Teresa Bender, Kris Denton* Increase student success by learning the how-to's of inquiry-based science. This session will help you understand the four levels of inquiry and develop ways to move your students from their current level toward a higher one. Learn how to adapt the lessons you're already using to become more inquiry-based and take some new inquiry lessons with you as well!	
Earth/Space Science *CCC Dining Hall East* All	**Mission Geography—Seeing the World in a New Way** *Angelo Casaburri* Mission Geography is about using geography and NASA's photographs and images of our planet from the unique perspective of Earth orbit. The three publications, Mission Geography K-4, Mission Geography 5-8, and Mission Geography 9-12, contain curriculum support materials focused on the development of key grade-level-appropriate geography skills including remote sensing and map/image interpretation.	
Environmental Science *Eppley Lower Level 1* All	**Water Quality Indicators** Two Hour Session *Andrea Faas* Through hands-on activities we will discuss the physical, chemical, and biological indicators that can tell us the health of our water. Participants will receive resources for use in their classroom, after school program, or camp.	
Elementary *Proett Area Lower Calvin* K-3	**Super Science Sing-Along** *Rebecca Casas, Amy Bryan, Becky Whitelock, Jen Rukstalis* We will share how to use songs and movement to teach science concepts. These songs will have your kids (and you) signing long after class is over.	
Elementary *Proett Area Lodge Upper* K-3	**The Magic of Movement** *Eliene Loetscher* Do you wish you had a magic potion to engage your students in science? Abracadabra! Active learning can be the answer! Teachers will learn to be wizards by using the inquiry method, research based techniques, and hands-on activities. Grab your magic wand and become a sorcerer of science!	
Physics/Physical Science *Proett Area Lodge Lower* 7-12	**Physics for Everyone with CPO's Marble Launcher** *Jessie Herman Thompson* Perform engaging projectile motion investigations with a fun and unique marble launcher. Predict the path of a projectile by collecting data, graphing results, and drawing conclusions. Free raffle for a marble launcher.	
Physics/Physical Science *Proett Lower Jones* 7-12	**Looking for a New Angle on Vectors?** *Jerry Ott, Teresa Walters, Shannette Kahrs, Leann Widhalm, Dawn Clayton, Jon Tindall, Shannon Clayton, Sharon Swanson, James Kriz, Dimis Harr* Do you struggle to find fun interactive ways to teach students the vectors? Come "KICKS" the bucket with us! This session will present innovative hands-on activities progressing from introductory level to more advanced applications using Logger Pro/Lab Quest.	
Biology/Life Science *Proett Lower Nelson N* All	**Cardiovascular Health Pod Casting** *John Niemoth* What is pod casting? How can I use it for my classroom? What does it involve? What are the steps in making them? Learn all about it from NURSE (Nebraska United for Rural Science Education) participants. If possible, please bring a laptop for this program (wireless connection). Samples and templates provided for the class.	

SESSION 9	SATURDAY	10:50-11:50 A.M.
CCC Dining Hall West	**Take Time to Visit the Vendors!!!**	
CCC Dining Hall Center	**Inquiry for Dummies—Improve Student Success by Incorporating Inquiry Based Lessons** Continuation	
Earth/Space Science *CCC Dining Hall East* 4-12	**ISS EarthKAM—Exploring Earth from Space** *Angelo Casaburri* International Space Station astronauts and the NASA ISS EarthKAM program provide stunning, high quality photographys of our planet from the unique perspective of Earth orbit. The ISS EarthKAM program gives students the opportunity to remotely operate an electronic still camera that provides photographs of our planet taken from the International Space Station.	
Eppley Lower Level 1	**Water Quality Indicators** Continuation	
Biology/Life Science *Proett Area Lodge Upper* All	**Evolving Methods of Teaching Evolution** *Frank Tworek* The teaching of evolution continues to be a controversial venture. Participants in this session will experience an activity that models selection and change. Participants will also be invited to share their favorite strategies for teaching this topic.	
Proett Lower Jones	**Click your Students into Learning!** *Kirsten Smith, Mary Moser* Have you ever wanted to know if your students really understand what you are doing in class while you are teaching? Using clickers can help you gauge the learning while instruction is occurring. This session will allow you to see how easy clickers are to use in your classroom!	
Proett Lower Nelson	**KICKS Participants Meeting** For all participants from the 2008 KICKS Summer Institutes	