

# COMMUNITY BUILDERS STEAM & CULTURAL CONFERENCE FOR NATIVE YOUTH II



COMMUNITY TEAMS:

1 Elder, 1 Parent, 4-6 Students

Planning a Local Conference for your community.

**July 20-22, 2017**

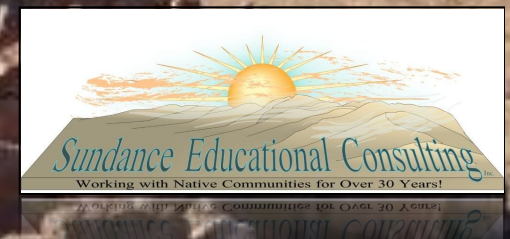
**LOCATION: Santa Fe Community College**

FEATURED SPEAKER:

**RUNNINGHORSE LIVINGSTON**  
A Native American Math Consultant



**NEW MEXICO INDIAN AFFAIRS DEPARTMENT  
IN COLLABORATION WITH  
SUNDANCE EDUCATIONAL CONSULTING**



# COMMUNITY BUILDERS CONFERENCE FOR NATIVE YOUTH II

## THURSDAY JULY 20, 2017: PRESENTATIONS and TRAINING

# AGENDA

7:30 - 8:15 Jemez Room	Breakfast Snacks/Coffee and Registration of Teams - <i>Campus Center</i>					
8:15 - 9:00 Jemez Room	Opening Session and Morning Blessing and Purpose of CBYC/Recognition of Sponsors SPECIAL MESSAGE: Cabinet Secretary Kelly Zunie      KEYNOTE ADDRESS: <i>The Indigenous Creation of Engineering and Science</i> - RunningHorse Livingston					
SESSION I 9:15 - 10:15	<b>CULTURAL AWARENESS</b> <i>Native Experiential Education</i> - Using Hands-on Methods to Teach Cultural Awareness for All Ages -  Joe Ansera, Cultural Advisor San Felipe Pueblo - Room 218 -	<b>SCIENCE EXPLORATIONS</b> Multidisciplinary Science Explorations  <b>EXPLORA MUSEUM</b>  Anthony Salvagno, and Duane Dill - Room 214 -	<b>COMMUNITY BUILDING SKILLS</b> How You Can Help By Getting Involved!  Joe DiRaddo, Psychologist Scott Tafoya, Santa Clara - Room LL 307 -	<b>DYNAMIC MAGNETIC FIELDS</b> Understanding and Working with Magnets  Chuck Mielke Pulsed Field Facility Director Los Alamos Laboratory - Room LL 304A -	<b>ROBOTICS</b>  Steve Goodgame, Director KISS INSTITUTE for Practical Robotics - Room 213 -	<b>WIGWAMETRY</b> Integrating Culture and Mathematics  Runninghorse Livingston - Room LL 310 -
SESSION II 10:30 - 11:30	<b>CULTURAL AWARENESS</b> <i>Native Experiential Education</i> - Using Hands-on Methods to Teach Cultural Awareness for All Ages -  Joe Ansera, Cultural Advisor San Felipe Pueblo - Room 218 -	<b>SCIENCE EXPLORATIONS</b> Multidisciplinary Science Explorations  <b>EXPLORA MUSEUM</b>  Anthony Salvagno, and Duane Dill - Room 214 -	<b>COMMUNITY BUILDING SKILLS</b> How You Can Help By Getting Involved!  Joe DiRaddo, Psychologist Scott Tafoya, Santa Clara - Room LL 307 -	<b>DYNAMIC MAGNETIC FIELDS</b> Understanding and Working with Magnets  Chuck Mielke Pulsed Field Facility Director Los Alamos Laboratory - Room LL 304A -	<b>ROBOTICS</b>  Steve Goodgame, Director KISS INSTITUTE for Practical Robotics - Room 213 -	<b>WIGWAMETRY</b> Integrating Culture and Mathematics  Runninghorse Livingston - Room LL 310 -
11:45 - 12:45	LUNCH and Recreation Break- <i>in the Jemez Room</i> 12:00 - 12:15: Walatowa Youth Empowerment Group: <i>Jemez Pueblo Dancers</i>					
SESSION III 1:00 - 2:00	<b>ALBUQUERQUE BIOPARK - ZOO TO YOU -</b>  Experiences With Animal Ambassadors in Conservation and Science  Mike McGlaun & Kathy Zipf - Room 217 -	<b>PERFORMING ARTS</b>  Where Would We Be Without Our Ancestors?  Cathy McGill Performing Artist - Room 214 -	<b>COMMUNITY BUILDING SKILLS</b> How You Can Help By Getting Involved!  Joe DiRaddo / Scott Tafoya and Diné Youth - Crownpoint Team - - Room LL 307 -	<b>NUCLEAR SCIENCE MUSEUM - ISOTOPE DISCOVERY -</b>  Living in a Radioactive World  Jeff Mahn - Room LL 304A -	<b>WRITING &amp; PERFORMING</b>  Basics of Comedy Writing  Connor White Author - Room 213 -	<b>WIGWAMETRY</b> Integrating Culture and Mathematics  Runninghorse Livingston - Room LL 310 -
SESSION IV 2:15 - 3:15	<b>PERSONAL GROWTH</b> <i>Conceive, Believe, Achieve</i>  <i>Generating - Receiving Positive Energy and Achieving Your Dreams</i>  Kelly Zunie Cabinet Secretary - Room 218 -	<b>PERFORMING ARTS</b>  Where Would We Be Without Our Ancestors?  Cathy McGill Performing Artist - Room 214 -	<b>COMMUNITY BUILDING SKILLS</b> How You Can Help By Getting Involved!  Joe DiRaddo / Scott Tafoya and Diné Youth - Crownpoint Team - - Room LL 307 -	<b>NUCLEAR SCIENCE MUSEUM - ISOTOPE DISCOVERY -</b>  Living in a Radioactive World  Jeff Mahn - Room LL 304A -	<b>WRITING &amp; PERFORMING</b>  Intro to Improv Comedy  Connor White Author - Room 213 -	<b>WIGWAMETRY</b> Integrating Culture and Mathematics  Runninghorse Livingston - Room LL 310 -
3:30 - 5:30	Special Outdoor Aeronautics Exhibit - <i>at the Track Field located behind the Library</i>					
5:30 - 6:30	Dinner - <i>in the Jemez Room</i>					

# COMMUNITY BUILDERS CONFERENCE FOR NATIVE YOUTH II

## FRIDAY JULY 21, 2017: PRESENTATIONS AND PROJECT MANAGEMENT

# AGENDA

<p>7:30 Breakfast 8:00 - 9:00 Jemez Room</p>	<p align="center"><b>Breakfast Snacks/Coffee: Greeting and Opening</b>  <b>Marcos Maez, Santa Fe Community College</b>  <b>Presentations by 2016 CBYC I Attendees: Crownpoint, Diné Youth, Menaul School, and Bloomfield Schools</b>  <b>PowerPoints and Displays Showing Progress Made</b></p> <p align="center"><b>- INDIVIDUAL ELECTIVE SESSIONS -</b></p>					
<p><b>SESSION I</b> 9:15 - 10:15</p>	<p align="center"><b>NATIVE AMERICAN HIP HOP and CREATIVE WRITING</b></p> <p align="center"><b>Christopher Mike-Bidtah</b> Hip Hop Artist, Navajo  <b>- Room LL 314 -</b></p>	<p align="center"><b>ALTERNATIVE ENERGY - LIGHTWORKS -</b></p> <p align="center"><i>Exploring the Behavior of Light</i></p> <p align="center"><b>Adam Hetzler, Engineer</b> Sandia National Labs  <b>- Room LL 320 -</b></p>	<p align="center"><b>ARCHITECTURE</b> Using Design Thinking Skills to Explore Regional and Traditional Native Architecture</p> <p align="center"><i>Buildings That Tell Time - Desert Shelters - Solar Structures</i></p> <p align="center"><b>Manny Juarez, Architect</b>  <b>- Room LL 318 -</b></p>	<p align="center"><b>HEART MATH SCIENCE</b> <i>Math and Science from a Native American Perspective</i></p> <p align="center">Using the intelligence Of the Heart To Improve Personal Health</p> <p align="center"><b>Ingeborg Vicenti - Youth Counselor - Jicarilla Apache</b>  <b>- Room LL 304A -</b></p>	<p align="center"><b>AERONAUTICS</b> Careers in Aviation and Principles of Flight</p> <p align="center">Airplane Construction and Test Flights</p> <p align="center"><b>Cpt. James LaPrelle,</b> Retired Commercial Pilot  <b>- Room 213 -</b></p>	<p align="center"><b>HANDS-ON NATIVE ARTS</b></p> <p align="center">Experience Creating Native American Art</p> <p align="center"><b>Chris Edaakie</b> <i>Cultural Advisor, Zuni Pueblo</i>  <b>- Room LL 310 -</b></p>
<p>10:15 - 10:30</p>	<p align="center"><b>- BREAK -</b></p>					
<p><b>SESSION II</b> 10:30 - 11:30</p>	<p align="center"><b>NATIVE AMERICAN HIP HOP and CREATIVE WRITING</b></p> <p align="center"><b>Christopher Mike-Bidtah</b> Hip Hop Artist, Navajo  <b>- Room LL 314 -</b></p>	<p align="center"><b>ALTERNATIVE ENERGY - LIGHTWORKS -</b></p> <p align="center"><i>Exploring the Behavior of Light</i></p> <p align="center"><b>Adam Hetzler, Engineer</b> Sandia National Labs  <b>- Room LL 320 -</b></p>	<p align="center"><b>ARCHITECTURE</b> Using Design Thinking Skills to Explore Regional and Traditional Native Architecture</p> <p align="center"><i>Buildings That Tell Time - Desert Shelters - Solar Structures</i></p> <p align="center"><b>Manny Juarez, Architect</b>  <b>- Room LL 318 -</b></p>	<p align="center"><b>HEART MATH SCIENCE</b> <i>Math and Science from a Native American Perspective</i></p> <p align="center">Using the intelligence Of the Heart To Improve Personal Health</p> <p align="center"><b>Ingeborg Vicenti - Youth Counselor - Jicarilla Apache</b>  <b>- Room LL 304A -</b></p>	<p align="center"><b>AERONAUTICS</b> Careers in Aviation and Principles of Flight</p> <p align="center">Airplane Construction and Test Flights</p> <p align="center"><b>Cpt. James LaPrelle,</b> Retired Commercial Pilot  <b>- Room 213 -</b></p>	<p align="center"><b>HANDS-ON NATIVE ARTS</b></p> <p align="center">Experience Creating Native American Art</p> <p align="center"><b>Chris Edaakie</b> <i>Cultural Advisor, Zuni Pueblo</i>  <b>- Room LL 310 -</b></p>
<p>11:30 - 12:45</p>	<p align="center"><b>LUNCH</b> <b>- in the Jemez Room at the Campus Center -</b> <b>DEMO: KRAZ-E-SCIENCE</b></p>					

<p>1:00 - 3:00 Jemez Room</p>	<p align="center"><b>SESSION ON PROJECT MANAGEMENT and FUTURE CONFERENCE PLANNING</b>  <b>WHOLE GROUP and TEAM PLANNING - Christine Becker</b></p>					
<p>3:00 - 5:00</p>	<p align="center"><b>- Free Time &amp; SFCC Campus Tours Available -</b></p>					
<p>5:00</p>	<p align="center"><b>Dinner - in the Jemez Room at the Campus Center</b></p>					
<p>6:00 - 8:30 Cafeteria</p>	<p align="center"><b>Evening Presentations:</b> <b>6:00 - 6:30 Native American Hip Hop by Chris Mike-Bidtah in the Jemez Room</b>  <b>6:30 - 8:30 Interactive Dance by Rey Martinez, DJ and Dllah Martinez, Choreographer</b></p>					

# COMMUNITY BUILDERS CONFERENCE FOR NATIVE YOUTH II

# AGENDA

SATURDAY JULY 22, 2017 Continued Team Planning and Presentation of Proposals

(Meet in Your Teams for Community Conference Planning)

7:30 - 8:00	Breakfast Snacks/Coffee - in the Jemez Room at the Campus Center	
SESSION I 8:00 - 10:00	<p><b>INDEPENDENT COMMUNITY TEAM PLANNING</b></p> <p>Your Choice of Cafeteria, Classrooms, Outdoor Spaces, and Hotel</p>	Mentors from Day 1-2 will be available to rotate among Teams to answer questions and offer suggestions for planning.
10:00 - 10:30	Whole Group Gather in the Jemez Room for Instructions on Presentations	
SESSION II 10:30 - 12:15	<p><b>PRESENTATIONS BY COMMUNITY TEAMS</b></p> <p>to the WHOLE GROUP and Judging of Projects</p> <p><i>The top 5 teams will be selected for awards to provide community mini-conferences.</i></p> <p>- PRESENTATIONS AND AWARDS -</p> <p>- Jemez Room -</p>	
12:15 - 1:30	<p><b>LUNCH - BARBEQUE</b></p> <p>WRAP UP and EVALUATIONS          STUDENT TEAM AWARDS          CLOSING BLESSING</p> <p>- in the Cafeteria at the Campus Center -</p>	

For More Information About this Event Please Contact:

**Christine Becker**, Sundance Educational Consulting

Phone: (505) 867-0946

Email: [sundance@spinn.net](mailto:sundance@spinn.net)

Cell Phone: (505) 967-5086

Website: [www.sec-inc.org](http://www.sec-inc.org)

## - BOOTH VENDORS -

<p style="text-align: center;"><b>AFRL New MEXICO</b> Air Force Research Academy</p> <p style="text-align: center;">Ronda Cole, Director, AFRL La Luz Academy (505) 846-8042</p> <p style="text-align: center;"><b>ronda.cole.ctr@us.af.mil</b></p>	<p style="text-align: center;"><b>AFRL New MEXICO</b> Air Force Research Academy</p> <p style="text-align: center;">Ronda Cole, Director, AFRL La Luz Academy (505) 846-8042</p> <p style="text-align: center;"><b>ronda.cole.ctr@us.af.mil</b></p>	<p style="text-align: center;"><b>CSVANW</b> Stop Violence</p> <p style="text-align: center;">Angel Thomas (505) 243-9199</p> <p style="text-align: center;"><b>athomas@csvanw.org</b></p>	<p style="text-align: center;"><b>EXPLORA MUSEUM</b></p> <p style="text-align: center;">Linda Ferro</p> <p style="text-align: center;"><b>chilikat@att.net</b></p>
<p style="text-align: center;"><b>INSTITUTE OF AMERICAN INDIAN ARTS</b></p> <p style="text-align: center;">Jonathan Breaker, Recruitment</p> <p style="text-align: center;"><b>jbbreaker@iaia.edu</b></p>	<p style="text-align: center;"><b>MENAU SCHOOL</b></p> <p style="text-align: center;">Amy Boldt</p> <p style="text-align: center;"><b>Aboldt@menauschool.com</b></p>	<p style="text-align: center;"><b>NATIONAL INDIAN YOUTH COUNCIL, INC.</b></p> <p style="text-align: center;">Valencia R. Tsosie, MIS Specialist (505) 247-2251</p> <p style="text-align: center;"><b>vtsosie@niyc-alb.org</b></p>	<p style="text-align: center;"><b>NATIVE AMERICAN TRAINING INSTITUTE</b></p> <p style="text-align: center;">Ramus Suina</p> <p style="text-align: center;"><b>Rsuina47@gmail.com</b></p>
<p style="text-align: center;"><b>NEW MEXICO CRISIS ACCESS LINE</b></p> <p style="text-align: center;">Wendy Linebrink-Allison, Mgr (505) 263-9140</p> <p style="text-align: center;"><b>Wendy.linebrink-allison@nmcrisisline.com</b></p>	<p style="text-align: center;"><b>NEW MEXICO DEPARTMENT OF HEALTH</b> Tribal Coordinator</p> <p style="text-align: center;">Diane Abeyta 505 827-0015</p> <p style="text-align: center;"><b>Diane.abeyta@state.nm.us</b></p>	<p style="text-align: center;"><b>NEW MEXICO STATE UNIVERSITY</b></p> <p style="text-align: center;">Jeanelle Chaez</p> <p style="text-align: center;"><b>chavezj@nmsu.edu</b></p>	<p style="text-align: center;"><b>SANTA FE COMMUNITY COLLEGE RECRUITMENT OFFICE</b></p> <p style="text-align: center;">Marcos Maez</p> <p style="text-align: center;"><b>Marcos.maez@sfcc.edu</b></p>
<p style="text-align: center;"><b>SOUDER MILLER &amp; ASSOCIATES</b></p> <p style="text-align: center;">Crispin Kinney Joan Marie Sandy</p> <p style="text-align: center;"><b>Joanmarie.sandy@soudermiller.com</b></p>	<p style="text-align: center;"><b>UNITED STATES AIR FORCE</b> Diversity and Inclusion Office</p> <p style="text-align: center;">SSgt Zachary Harmon</p> <p style="text-align: center;"><b>Zachary.harmon.1@us.af.mil</b></p>	<p style="text-align: center;"><b>US ARMY</b></p> <p style="text-align: center;">(505) 263-5909 (505) 595-4598 cell</p> <p style="text-align: center;"><b>Ignacio.gradycorral.mil@mail.mil</b></p>	



# COMMUNITY BUILDERS CONFERENCE FOR NATIVE YOUTH II

## PRESENTERS AND SPEAKERS

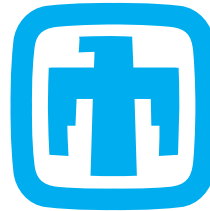
<p><b>Joseph G. Ansera Jr.</b> - San Felipe Pueblo. A Pueblo Experiential Educator and Facilitator, providing direct service programming for over 24 years. Working with youth, adult and elder organizations, Mr. Ansera uses "Hands on Learning" and movement techniques to promote healthy life skills building, cultural respect and unique life challenging experiences.</p>	<p><b>Christine Becker</b> is the President of Sundance Educational Consulting, Inc. (SEC) and has worked in schools serving Native American children for the past 40 years. Christine has been organizing conferences and trainings for schools for the past 7 years in order to bring much needed resources and expertise to local and reservation schools. SEC also provides on-site training for schools nationally.</p>	<p><b>Robert Becker</b> is a registered Architect in New Mexico and has spent his career working with local architectural firms, Albuquerque Public Schools and, most recently, as the State Architect for New Mexico. He has been working with Sundance Educational Consulting, Inc. in recent years and serves as the Finance Director as well as general support to all training programs provided in schools. Robert is a dedicated and energetic contributor to Sundance.</p>	<p><b>Malcolm Bowekaty</b> (Zuni Pueblo) served as Zuni Pueblo Governor for 4 years. He is a UNM graduate in Sociology and Psychology and is CEO of the Inter-Tribal Economic Alliance. Malcolm is the leader of the Native American Leadership Program.</p>
<p><b>Joe DiRaddo</b> has worked as a School Psychologist for 29 years. He works with youth of all ages as well as parents, teachers, and school staff. He has developed and implemented numerous prevention and behavioral health programs in his career.</p>	<p><b>Chris Edaakie</b> had been involved in his grandfathers dance group since he was 7 and in middle school he got involved with the Idewannan Cha:we, a Zuni Storytelling Theater group. In 1997 he started the Nawetsa Dance Group. He was featured as a cartoon in a book entitled, "The beginners guild to community based arts". Having studying Graphic Design at the University of New Mexico, he created and expanded his company creating useable works of art such as coffee mugs, mouse pads etc. With great passion to expand his mediums he has included moccasins making and weaving to his talents.</p>	<p><b>Explora Museum</b> is an innovative experiential learning center with a mission of creating opportunities for inspirational discovery and the joy of lifelong learning through interactive experiences in science, technology, and art. Explora illuminates basic concepts by engaging people of all ages with the tools and equipment related to scientific phenomena. Explora is committed to improving STEM education throughout all of NM.</p>	<p><b>Steve Goodgame</b> is the executive director of the KISS Institute for Practical Robotics, an independent nonprofit organization based in Oklahoma. The organization uses robotics to actively engage students in computer science focused STEM programs. The flagship program Botball® currently serves over 10,000 students worldwide.</p>
<p><b>Adam Hetzler and Anthony Smith</b> Adam and Anthony are engineers at Sandia, and they are involved in the American Indian Outreach Committee. They are looking forward to sharing their experience as engineers.</p>	<p><b>Manny Juarez</b> is Director of Design Education, Indigo Moose and Partner at Design PPlus llc. Senior Manager of Youth and Teacher Engagement, Chicago Architecture Foundation (CAF) - Manage youth programs for grades K - 12, and liaison to post-secondary institutions with architecture and design programs. Develop programming for out-of-school, in-school, and digital media learning around architecture, engineering, design, and construction disciplines, as well as around design thinking and the design process.</p>	<p><b>James LaPrelle</b> is a retired B767 Captain with UPS and has been in the industry since 1968. Cpt. LaPrelle has taught numerous flight training courses from introduction to flight to advanced airline training programs. As a check-airman he has conducted flight simulator training and is noted as one of the pilots of the Goodyear Blimp "Mayflower".</p>	<p><b>RunningHorse Livingston, M.Ed.</b> of Mathematize, Inc. is a teacher, mentor, coach and activist who travels the United States as a thought leader in helping our nation's teachers provide better math experiences for students. As a proud member of the Bad River Chippewa Nation, he has given numerous keynotes and hundreds of presentations to audiences from San Diego, CA to Bangor, Maine. He is an expert in mathematics instruction and school reform. RunningHorse has devoted his professional life to the advancement of educational opportunities for indigenous students.</p>
<p><b>Jeffrey Mahn</b> is a volunteer docent and science educator for the National Museum of Nuclear Science &amp; History, and a tutor for math, chemistry, and physics. Bachelor's Degree in Nuclear Engineering – University of Wisconsin and a Master's Degree in Nuclear Engineering – University of Michigan. Jeffrey was in the Commercial nuclear power industry for 21 years and worked at Sandia National Laboratories for 19 years.</p>	<p><b>Cathryn McGill</b> is a member of a class of traveling poets musicians, and storytellers who maintain a tradition of oral history in parts of West Africa. In the African tradition of griot, Cathryn is a storyteller who shares stories in word and song while building, growing, energizing, and engaging communities by creating positive change. Cathryn has worked extensively with schools in NM and other areas to introduce young people to the joy of performing arts.</p>	<p><b>Mike McGlaun &amp; Kathy Zipf</b> have been docents at the Albuquerque Biopark for over ten years. They routinely use education animals and biofacts at the Albuquerque zoo and at schools throughout New Mexico. They use the animals and biofacts to educate the visitors on a variety of topics including the general characteristics of the animals, how the animals live and how we can be better stewards of the Earth.</p>	<p><b>Chuck Mielke</b> is the Director of the National High Magnetic Field Laboratory - Pulsed Field Facility at Los Alamos National Laboratory (LANL). Chuck received his doctoral degree in Condensed Matter Physics from Clark University and then moved to LANL in 1996. Early in his career he became involved with generation of extremely high magnetic fields and the apparatus used to measure extremely small changes in Matter under those extreme conditions. In 2012 Chuck led a team of physicists and engineers to set the world record for the highest non-destructive magnetic field ever achieved on earth. The record still holds at 100.75 tesla.</p>
<p><b>Christopher Mike-Bidtah</b> born in Albuquerque, NM then moved to the reservation by the Four Corners and Shiprock area. Band and poetry lead into arts and music and somehow hip hop found me. I found my positive outlet to get away from all the negative energy that tries to ruin people's lives. I take Hip Hop seriously. The New Mexico experience - I love the culture, the traditions, the diversity, and everybody here has a great story to tell.</p>	<p><b>Dave Schwellenbach</b> has a BS degree in Physics from Arizona State University and his MS Degree in Nuclear Physics from Iowa State University. Kraz-E-Science is a volunteer project delivering science presentations to K-12 students, supported in part by the Emily Bradley Memorial Fund. Dave is a scientist at National Security Technologies in Los Alamos, NM. He taught physics and engineering at Iowa State University and at Casper College in Wyoming.</p>	<p><b>Kevin Shendo</b> with the <b>Walatowa Head Start Dancers</b> Since Jan. 2013, children in the <i>Walatowa Head Start Language Immersion</i> program have received a unique education in an environment immersed in the Jemez Language. Language and culture is reflected in cooking and serving traditional foods, traditional dances, and turning our Jemez Village - including our ancestral lands - into our classrooms. Our program is supported by Pueblo of Jemez Tribal Leadership and Tribal Council. The coordinator is Lana Toya.</p>	<p><b>Scott Tafoya</b> grew up on the Santa Clara Pueblo reservation. He has been a pastoral minister to Native American people for 32 years and currently serves Indian Nations Baptist Church in Albuquerque. Scott is a certified professional coach and a member of the John Maxwell Team of coaches, speakers and teachers.</p>



<p><b>Ingeborg Vicenti</b> is a Masters Level Counseling therapist at Dulce Elementary School. Inky continues her education courses in Jungian Psychoanalysis classes and works with young people to use a variety of therapy modalities to assist them process their feelings and emotions. Inky also works with family counseling sessions.</p>	<p><b>Connor White</b> is the author the chapter book series <i>Shivers! The Pirate Who's Afraid of Everything</i> (HarperCollins). He and his co-author currently tour the country using comedy to inspire kids to read and write. Connor is also a national tour director for the Story Pirates, an arts education company that teaches kids creative writing, then turns their stories into a sketch comedy musical. He graduated with a degree in theater from Northwestern University in 2009.</p>	<p><b>Kelly K. Zunie</b> is the first female Cabinet Secretary of the NM Indian Affairs Department. With a Bachelor's Degree in Statesmanship from George Wythe University. She is Zuni and Cherokee, an enrolled member of the Zuni Pueblo and was the Deputy Cabinet Secretary of the NM Indian Affairs Department. She has worked at Rocky Mountain Power in Utah, the Pueblo of Zuni and the NM Bureau of Health Emergency Management. She currently serves on several boards and commissions in NM. Her passion in life is teaching others to create the best life that they can possibly imagine.</p>
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## SESSION DESCRIPTIONS

<p><b>Cultural Awareness:</b> Participants will be engaged in hands on learning using experiential methods of teaching life skills, healthy living, cultural pride and identity, all while having FUN.</p>	<p><b>Science Explorations:</b> Explora – We will incorporate both individual and team activities at four stations. Youth will be able to make a unique type of flying apparatus explore how the penny souvenir machines work, compete to build the tallest tower, and combine art and chemistry to produce a colorful butterfly.</p>	<p><b>Community Building Skills:</b> This session focuses on Community Building by looking at how to create successful and effective teams. Principles of teamwork and leadership will be presented and explained with activities and discussion (Co-presenting with Scott Tafoya)</p>	<p><b>Dynamic Magnetic Fields:</b> A fundamental understanding of materials is essential to build the next generation of functional devices. We will explore the tools needed to generate the conditions and measure the properties of materials in the extreme environments in which the electrons that make devices operate are constrained to the limits of the quantum mechanical universe that they live in.</p>
<p><b>Robotics:</b> Participants will learn about autonomous robots program and how they are a great tool for teaching and learning computer science and engineering concepts. Robots and computers will be provided so that students can learn some coding and interact with the robots as they program them to perform specific tasks.</p>	<p><b>Wigwametry: Principles of Indigenous Engineering Teams</b> will design and create a scale model of an indigenous home structure, while exploring environmental and civil engineering principles. Utilizing an abundance of natural resources to construct environmental friendly homes to maximized living space and thermodynamic energy. These older engineering principles are still used in modern architecture today. Teams will integrate geometry and physics concepts into a functional design.</p>	<p><b>Personal Growth:</b> Conceive-Believe-Achieve. Learn how to become the master of your own life! Know the difference between victim life vs a VICTOR life! Break through the walls of fear to BE, DO and HAVE what you desire in life!</p>	<p><b>Performing Arts:</b> Where Would We Be Without Our Ancestors? In this workshop we will learn how to create vibrant communities by learning how to tell our individual, family and tribal histories using the power of the spoken word and music. Our stories have the power to save our families. By knowing and understanding the problems that our ancestors overcame, we are better prepared to overcome our own problems, and inspire future generations to do the same.</p>
<p><b>Nuclear Science Museum, Isotope Discovery – Living in a Radioactive World:</b> Students will be introduced to chemical element isotopes and the radioactive decay processes characteristic of unstable isotopes that make up our radioactive world.</p>	<p><b>Albuquerque BioPark – Zoo to You:</b> This Program is a free, interactive education program that travels throughout the state of NM teaching about wildlife conservation. Volunteer docents introduce the audience to animal ambassadors; birds, reptiles, amphibians and small mammals. They also use hands-on biofacts; bones, pelts and hides, feathers and other interesting animal items. This presentation discusses the advantages and limitations of using live animals and biofacts. We demonstrate by giving abbreviated versions of some of the presentations.</p>	<p><b>Native American Hip Hop and Creative Writing:</b> Hip-Hop artist Christopher Mike-Bidtah from Shiprock New Mexico presents creative writing exercises for participants where they can seek to find their "own voice" and set their words to music. This is an interactive workshop that will bring out your creativity in poetry, self-awareness and music. We try to showcase some of these creative pieces throughout the Youth Conference for those who want to step up to the mike!</p>	<p><b>Alternative Energy – Lightworks:</b> We will discuss three important concepts of light. For each of the properties, we will perform an experiment to understand the properties. The properties we will discuss are diffraction, lenses, and polarization.</p>
<p><b>Architecture:</b> Shade is a valuable commodity in the desert, the next most valuable commodity is the material needed to make shade! We will look at using ratios solar tools, and the efficient use of materials in order to create structures that yield the most shade They will look pretty cool too! (Note: glue guns are used for this exercise.)</p>	<p><b>Heart-Math Science:</b> Based on research on heart-brain-body communications. Individuals learn the importance of the intelligence of the heart to improve their personal health BY becoming a ware of the heart in reference to our Native communities we are better able to support our ancestral values that are the essence of our communities</p>	<p><b>Aeronautics:</b> and the beginning theory of flight. Once we've learned the basics of flight, we will be constructing and flying small aircraft as we talk about each components purpose.</p>	<p><b>Hands-On Native Arts:</b> Participants will take a journey thru their minds, gathering inspiration to emerge into a world of art. Having gathered their thoughts, participants will then be given time to express there experience thru any means of media.</p>
<p><b>Kraz-E-Science Physics Demonstrations</b> will generate enthusiasm for science and engineering. Demonstrations are drawn from college classrooms to help students visualize important physical concepts. Topics discussed include: Newton's laws, force and pressure, gravity and free fall, light and waves, and conservation of energy. The most fun you'll have learning physics.</p>	<p><b>The Basics of Comedy Writing</b> students will discuss "What makes something funny?" and learn how to create a comedic character of their own. The group will then use the science of comedy to work together and create an original – and totally weird - piece of writing.</p>	<p><b>Intro to Improv Comedy</b> Through a series of fast-paced theater games and group exercises students will learn the basics of improv comedy and what it takes to create a successful scene from right off the top of their head.</p>	



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