WHAT'S UP WITH THE SMTC?

I’m happy to report that the music here at the SMTC is still playing and we’re still dancing. In fact, some aspects of our work are better than ever: our collaborations with the Engineering Initiative are reaching hundreds of teachers across the state (pg. 7), and the new Wyoming Energy Education Initiative (pg. 10) has the potential to improve STEM teaching to support an informed citizenry capable of engaging in complex energy resource discussions and decisions. How timely is that?

Relationships and collaborations across campus and throughout the state have always been a priority and we’ve bumped those up a few levels. Our Outreach Educator Ana Houseal has crafted connections between all of our graduate programs and professional development work she has been doing in schools enabling students to apply their research and add to the field of knowledge through published papers and conference presentations that they do with her and practicing teachers (pg. 9).

Things are changing at every level and we are dancing at a fast pace, being productive and having an impact even as the SMTC and its functions are being reviewed, evaluated, vetted, dissected and discussed (pg. 2). Decisions will be made by the end of the semester on whether or not the SMTC will continue to function as plans for a new STEM-ED Center evolve at UW. Because our graduate programs are successfully meeting needs in the state we have been assured that they will continue so we are recruiting new students. (By the way, 20+ will graduate this spring or summer thanks to lots of hard work on everyone’s part.) And I can’t imagine that anyone would pull the plug on the Wyoming State Science Fair (pg. 7) given its great success this year under the able direction of Erin Stoesz!

I’m sorry to report that Sigrid See died recently (pg. 9). Through her endowments to the SMTC almost all of our students in the last 9 years have received scholarships which made it possible for them to earn master’s degrees without incurring huge debts. Her generosity has made a huge difference in many lives and will continue. The practice of sending her thank you letters will also continue, with virtual delivery.

This newsletter is not an obituary for the SMTC, however, and even though we are short-staffed and sometimes grow tired, we make changes, adjust, learn and grow – the music is still sweet, so is the work, and the gorilla is an exciting dance partner! Stay tuned….

~ Sylvia Parker, Coordinator
Like many UW programs, the SMTC is in a period of review and transition during this academic year. Deans Reutzel and Lutz formed the SMTC Transition Committee in fall semester to 1) prepare an academic review report, 2) manage the day to day operations of the SMTC, and 3) make recommendations regarding the future of the SMTC and its functions and programs.

The committee members are:

- Doug Wachob, Chair, Interim Dean, Haub School of Environment & Natural Resources
- Linda Hutchison, Member, Associate Prof, Secondary Education
- Ana Houseal, Member, Assistant Prof, Elementary Education, SMTC
- Audrey Shalinsky, Member, Assoc Dean, College of Arts & Sciences
- Suzanne Young, Ex Officio, Assoc Dean, College of Education

The Master’s degree programs in the SMTC continue to function and are not slated for termination. The programs are still admitting new students and courses are being taught. Outreach (e.g. Science Fair) and professional development activities are still being offered and expanded.

The committee has nearly completed its recommendations. It is our long-term hope that a STEM Education Center will be established at UW where the functions and work of the SMTC will find a permanent home. Public input on the work of the SMTC serving the students, teachers, and the state has been very positive. We welcome your additional input as recommendations move through the process to the Provost, President and Trustees.

Sincerely,

SMTC Transition Committee, Doug Wachob, Chair

COLLABORATION. The SMTC builds relationships across campus and throughout the state. Collaborations include:

93 affiliate faculty | Biodiversity Institute Faculty Advisory Committee |
| School of Energy Resources | Saturday STEM Days | WY STEM | Engineering Initiative |
| Women in Science | SciArt Symposium | NASA Space Grant Advisory Committee |
| EPSCoR Water Workshops | Committee on Women and People of Color |

SMTC FINANCES 2011-2016

Contracts & Service Agreements: $ 434,972
External Grants: $ 9,863,020
Endowments for Scholarships: $ 1,303,280
Internal UW Awards: $ 69,792

“The long established relationship already in existence with districts through the SMTC will be a great springboard for grants, funding, course enrollment, and high quality curriculum for the students in our state.”

-Alleta Baltes, Principal
SMTC Supports the Arts

*Adding the “A” to STEM is an important part of a well-rounded, quality education if our students are to become creative problem-solvers. The SMTC seeks out opportunities to collaborate and support interdisciplinary work especially when it reaches out into the community.*

**PLACE-BASED VISUAL ART WITH LARAMIE’S COOPER CENTER**

What began as a small class project is now an inspiring collection of art on display at the Berry Center for Biodiversity, March 15th–April 14th, 2017. The works were created by students of the ARK Regional Services’ Creative Arts Program at the Cooper Center for the Creative Arts in Laramie. The show, “A Sense of Place”, is the final product of a project for the Place Based Learning graduate seminar taught by Sylvia Parker. Students were assigned to create a place-based community outreach project based on their personal interests. Nichole Lumadue, Zoe Nelson and Tootsie Jablonski knew right away that they wanted to serve often overlooked communities and bridge the gap between science and art, an idea inspired by the Sci-Art Symposium earlier in the fall. The Cooper Center which offers art classes to people with intellectual disabilities was an ideal partner.

Welcomed by teachers Kari Siler and Allison Wagg into their “2-D Visual Art” class, the three women led a series of explorations into the endangered and threatened species in Wyoming. Through tactile, visual, and auditory learning, the students learned about the animals and habitats that surround them in the Laramie Valley and then reflected on their learning through their art. The result is a beautiful collection of pieces that are as unique as the animals and individuals they represent. A reception to celebrate the artists was held on March 23 in the UW Berry Center at 10th & Lewis. Many thanks to Kari, Allison, The Cooper Center and ARK Regional Services, The Berry Center for Biodiversity, and the SMTC for their support.

**RE-ENVISIONING THE LABORATORY: SCI ART SYMPOSIUM**

The 2016 Sci-Art Symposium was the first science and art related symposium held at UW. On September 9–10, scientists, artists, graduate students and educators learned about innovative interdisciplinary work that crosses the usual community, discipline and topical boundaries. They also participated in hands-on workshops, and had time to network, discuss, brainstorm and plan for new collaborations.

Brandon Ballengée, a prominent visual artist, biologist, and environmental educator, gave the keynote address which focused on his 20-year career creating transdisciplinary artworks inspired from his ecological field and laboratory research. An exhibit of his work at the UW Art Museum served as a platform for considering the interface of art and science.

The symposium was made possible by a partnership between the UW Art Museum, the Biodiversity Institute, Haub School of Environment and Natural Resources, Department of Art and Art History, Science and Math Teaching Center, and MFA in Creative Writing.

**42ND ANNUAL JURIED UNIVERSITY OF WYOMING STUDENT EXHIBIT**

The Juried UW Student Exhibition is an annual event hosted by the UWArt Museum. Any student currently enrolled at UW is welcome to submit works of art, including any in-state student enrolled through the Outreach School. This year 72 students submitted 184 original art pieces, from which 57 pieces were selected for the exhibit. The SMTC is proud to have given a Purchase Award to Jacob Harkins for his piece *Only the Strong Survive*, a sculpture reflecting on the pressures of standardized testing. This is the 5th time that the SMTC has made awards to students. After the student exhibit, which runs February 11–March 18, the piece will be on display on the 4th floor of Wyoming Hall.

**SCI-ART EXPLORATORIUM**

To continue in the spirit of blending art and science, the Art Department and the SMTC are teaming up again to host a Sci-Art Exploratorium on Friday, April 28, 2017. This event will have hands-on demos led by graphic design interns and work sessions to help participants understand and use tools for digital illustration and 3D modeling for research, teaching, or making art. The event will take place in Visual Arts room 231 from 12-3 pm and is free with an RSVP.

“It was wonderful to be a part of an event that truly merged art and science, instead of just tacking "the arts" on as a side event. It was inspiring both personally and professionally.”

~ Symposium Participant
Launching Meaningful Careers

SMTC grads in the Natural Science Education (NED) program are emerging leaders who apply their knowledge and experience in impressive careers in science, education and more. All of the students in the 2014-15 cohort, for example, are working in excellent jobs or graduating in spring.

CHRISTY BELARDO
Outreach Education Coordinator, Mohonk Preserve, New Paltz, NY

EMILY CLEVELAND
Community Engagement Associate, Idaho Conservation League, Boise, ID

TOM DUGGAN
Finishing Master’s of Science in Natural Science Education, Spring 2017

SARAH HACKWORTH
6th Grade Science Teacher, Sheridan Junior High School, Sheridan, WY

TEDDI HOFMANN
K-14 Project Coordinator, UW College of Engineering, Laramie, WY

GREG LEY
Field Education Faculty & Wildlife Expeditions Guide, Teton Science Schools, Jackson, WY

MEGAN MATTHEWS
Middle School Science Teacher, Denver School of Science & Technology, Denver, CO

TOM MOORE
Finishing Master’s of Science in Rangeland Ecology and Water Resources, Spring 2017

CHARLIE REINERTSEN
Communications Manager, New England Forestry Foundation, Littleton, MA

LEAH RITZ
Director of Education, Science Zone, Casper, WY

ANNIE ROBBINS
Program Coordinator, University of Wyoming LeaRN Program, Laramie, WY

KIM THOMPSON
Secondary Science Teacher, Meadows Valley Jr/Sr High School, New Meadows, ID

CHARLIE VOGELHEIM
Stewardship Coordinator, Forterra Northwest, Seattle, WA

HEATHER WAKEMAN
Global Studies, Sustainability and Service Fellow, Deerfield Academy, MA; Leadership Instructor, Broadreach College, Sailing & Leadership program

“My experience at SMTC taught me how to articulate complex subjects to a variety of audiences and the importance of connecting to place.”

~ Emily Cleveland
SMTC Students & Graduates Have Their Say

Every year teachers from throughout Wyoming decide to enroll in one of the SMTC’s graduate programs. We invited several to share their stories.

**Nanna Rexroat-Frazier** is a 13 year veteran teacher who is currently teaching special education and co-teaching middle school math at Riverton Middle School in Fremont County. Since her first degree is in Special Education, she enrolled in SMTC’s Middle Level Math program in order to better serve her math students. Gaining professional teaching experience before pursuing her master’s degree was very beneficial, and she recommends others do the same. She will graduate this spring.

**Ron Ruckman** has completed the first of three summers of coursework in the SMTC’s Master of Science degree program in Middle Level Science. He is the 6th-8th grade science teacher at Pinedale Middle School and teaches earth, life, and physical science. Ron has been teaching for 21 years. Of the MSC program, Ron said “I had a great experience this past summer and have already used much of what I learned in my classes this year. I look forward to broadening my experience through the program to continue to improve my teaching abilities.”

**Virginia Hildebrand** graduated from the SMTC in 2009, and has been teaching high school science for 17 years. The collaboration and camaraderie she experienced in the SMTC were the highlight of the program for Virginia.

“Why would you not want to increase knowledge in your subject area and have loads of fun doing it?”
— Virginia Hildebrand

**Kristy Palmer** is a middle school science and math teacher at Snowy Range Academy. Snowy Range Academy is a kindergarten through eighth grade charter school in Albany County School District #1. “The SMTC Middle Level Math program has inspired me to become a better teacher. Without the SMTC, I would not have a job that I love and feel grateful for every day!”

**Ron Ruckman**

**MMA GRADUATE CLOSE-UP: WILLOW CURTIS**

Willow Curtis balances a busy life as a Math and Science Instructor for the Gifted and Talented Program at CY Middle School in Casper while also pursuing a master’s degree. She started in the Middle Level Math master’s program in the fall of 2014 and is scheduled to graduate December 2017. Willow enrolled in the MMA program to increase her skills and knowledge in the field of math education. Her Plan B research is entitled The Benefits of Integration of Quantitative Literacy in the Middle Level Science Classroom. The MMA program has helped Willow to grow significantly as an academic writer and has inspired her to contribute to the growing body of knowledge in math and science education.

**FEATURED UW FACULTY : JAKE GOHEEN**

Dr. Jake Goheen is an associate professor in the Departments of Zoology & Physiology and Botany. He studies community dynamics, animal-plant interactions, and conservation biology across the globe. Outreach is very important to Jake: “I make every effort to ensure that [my] work generates transparent applications to on-the-ground conservation efforts.” He supports the SMTC by serving on Plan-B Thesis committees.

**FEATURED UW FACULTY : TONIA DOUSAY**

Dr. Tonia Dousay is an assistant professor of Instructional Technology in the College of Education. She has supported many SMTC students’ projects, with topics including cutting-edge educational technology, recruiting women to STEM fields, and providing educational resources to wildlife centers. Dr. Dousay believes positive outcomes result from working across departments and disciplines.
Partnerships in Water Education

The Science and Math Teaching Center partners with EPSCoR, Teton Science Schools (TSS), and teachers across the state to provide professional development workshops that equip teachers with hydrology education content and experiences.

EXPLORING THE SCIENCE OF SNOW

In early February, on the verge of Jackson’s “snowpocalypse”, twelve teachers from across Wyoming gathered at Teton Science Schools’ Kelly Campus for a weekend devoted to snow science. The product of collaboration between the Science and Math Teaching Center, TSS, and EPSCoR, the workshop’s guiding question was “How does snow affect biotic, abiotic, and human factors, in Wyoming and beyond?”

The workshop aimed to enhance teachers’ understanding of snow science and the critical relationship between snowpack and groundwater. Over the course of two days, teachers learned content about the physical science of snow, as well as the ecological implications of snowpack. To better understand the dynamic nature of snowpack, participants went into the field to dig and test snow pits. After they learned content and practiced new skills, the participants conducted inquiry projects in small groups.

The weekend closed with a round-table discussion on how to integrate both snow science and inquiry in the classroom, and how the content and skills associated with both aligned with the WY Science Content and Performance Standards.

“I can’t wait to implement these lessons in all content areas!”

~ Teacher Reflection

WYOMING WATER IN THE CLASSROOM

Last summer, the Bear River Community Center in Evanston was the site of another PD workshop. This time EPSCoR/TSS/SMTT collaborated with the Uinta Conservation District to serve teachers primarily in the southwestern corner of Wyoming. This workshop’s guiding question was “Where does water come from and where does it go?” and focused on how to integrate water education into the classroom, including current water research practices, hydrology lessons, and the hidden parts of the water cycle. Participants engaged in hands-on field research practices to monitor water quality, study groundwater, and practice inquiry-based learning. Hydrogeophysics lab exercises and field demonstrations of Electrical Resistivity Tomography (ERT) led by UW’s Andy Parsekian helped explain how scientists are able to investigate sub-surface structures such as faults and ground water by taking electrical measurements at the surface.

Special thanks to the SMTT graduate students who helped develop and deliver all of these workshops:
Tootsie Jablonski, Sophia May, Zoë Nelson, Claire Ratcliffe and Julia Spencer.

FORT WASHAKIE WATER WORKSHOP

On November 5, 2016, EPSCoR, TSS and SMTT again partnered to host a Wyoming Water in the Classroom workshop at the Frank B Wise Building on the Wind River Reservation. The theme of the workshop was “Upstream/Downstream: The Headwaters of the Wind River to the Missouri River Watershed,” and it brought together educators from the region to discuss the cultural and scientific aspects of water, as well as how to bring that information into the classroom in engaging and meaningful ways.
More than 200 budding scientists came to UW on March 5-7 for the 2017 Wyoming State Science Fair. This competition is hosted yearly by UW and the Science and Math Teaching Center, and is a wonderful opportunity for students from around the state to showcase their original STEM research, meet practicing scientists, and explore some of UW’s resources. Participants were rewarded for their hard work with special tours of campus labs and museums, a planetarium show, physics demonstrations, and discussions with practicing scientists and researchers, as well as a t-shirt (designed by logo contest winner Miranda Hanks of Wheatland), welcome bag, and pizza party! New this year were “lightening talks” by 8 UW students and faculty. Merav Ben-David, Zoology, and Andrea Creighton, Hydrogeophysics were voted the favorites by the students.

Jeanette Wallace teaches chemistry and physics at Wheatland High School. She came to the ESP4T program with an understanding of mechanical engineering, but gained knowledge of things such as computer programming and coding.

This fall her students created a High Tech Haunted House for Halloween and demonstrated the merger of electronics, science and math through their sensor-controlled dropping spiders, voice-activated surprises, glowing skulls, twirling heads, spooky eyes and more.

This summer a beginner-level workshop is scheduled from July 10-14, 2017; an advanced-level workshop is July 17-21, 2017. More than 100 teachers are expected to participate in this program funded through the Engineering Initiative.

“I’ve gained a completely different perspective. STEM Education is in almost every career field. We need to change the way we educate. How do we teach each of these concepts together instead of as separate subjects?”

~ Jeanette Wallace, Wheatland High School Teacher

More than 200 budding scientists came to UW on March 5-7 for the 2017 Wyoming State Science Fair. This competition is hosted yearly by UW and the Science and Math Teaching Center, and is a wonderful opportunity for students from around the state to showcase their original STEM research, meet practicing scientists, and explore some of UW’s resources. Participants were rewarded for their hard work with special tours of campus labs and museums, a planetarium show, physics demonstrations, and discussions with practicing scientists and researchers, as well as a t-shirt (designed by logo contest winner Miranda Hanks of Wheatland), welcome bag, and pizza party! New this year were “lightening talks” by 8 UW students and faculty. Merav Ben-David, Zoology, and Andrea Creighton, Hydrogeophysics were voted the favorites by the students.

There were many impressive projects that took home prizes in their divisions, but the big winners of the Fair were the students chosen to participate in the national and international competitions. Students in the Senior Division (grades 9-12) who will be representing Wyoming at the Intel International Science and Engineering Fair (ISEF), in Los Angeles in May are:

Colton Curtis, Meeteetse HS, with a project titled “The Embryonic Development of Oncorhynchus mykiss When Exposed to Heavy Metal Solutions”,

Qingfeng Li, Laramie HS, “Implementing New Methods of Prosthetic Control”,

Jennel Mead, Cheyenne South HS, “Shifting Sun vs. Putrid Pilobolus”, and

Sierra Spears, Lingle-Fort Laramie HS, “Determination of Soil VOC Content Due to Coal Dust Deposition along Major Railroad Transportation Routes.”

Students in grades 6-8 have an equivalent national competition, Broadcom MASTERS (Math, Applied Science, Technology and Engineering Research Scholars). After another round of competition, 30 finalists will be selected later this fall for an all-expenses-paid trip to Washington, D.C. Junior Division students who have been nominated from Wyoming are: Evan Anderson, Cheyenne; Kyland Fuller, Fort Laramie; Carlos Munoz, Marbleton, and Nathan Maxfield, Big Piney (team project); and from Lander: Colmcille Rottinghaus, Dylan Huelskamp, Abby Copeland, Sierra Lloyd, and Mia Copland. Congratulations to all of the participants!

Thank you to all of the volunteers, judges, departments, organizations, teachers, sponsors and parents that make this event happen! Peter Parolin was an excellent MC for the Awards.

Kudos to Erin Stoesz, WSSF Coordinator, who has done an extraordinary job of organizing the entire event!

Reports from the field: “You are amazing! That was the most organized science fair that I have ever participated in. . . . thank you for your commitment to the students of Wyoming.”
The Potential & Promise of the New Science Standards

By Ana Housel, PhD.

With the adoption of the Wyoming State Science Content and Performance Standards, K-12 educators and administrators are embarking on a challenging but exciting journey that raises many questions:

- The standards are so complex – how can I come to understand them?
- What instructional strategies should we use?
- Which curricula promote the new vision of science education implied by the standards?
- What about assessment? Are we meeting the new standards? How do we know?
- What kind of support and guidance do we need in order to successfully adopt the standards?

The SMTC has been working with Campbell CSD#1 for the past five years to implement new science standards across K-12.

SMTC faculty and staff have also piloted a semester-long course assisting teachers and administrators across the state to outline a process by which individuals can come to understand the standards and create/modify aligned unit lesson plans. Using this experience, the SMTC has created a series of workshop modules.

We are now able to provide responsive, in-depth, sustained, and content-driven professional development to districts that can be customized to the individual district’s needs. This opportunity will provide yearlong support and personalized adjustments to workshops as needs arise, and is grounded in the research on best practices in science professional development. Below is a diagram of our proposed workshop modules.

This is the beginning of a new and thought-provoking world of science education that is sure to reinvigorate teachers and students alike and to help teachers continue their professional growth in the classroom.

We will be able to fulfill 3-4 contracts (which may include multiple districts) in the coming academic school year. In these contracts, we will work with districts to develop a suite of modules to meet their needs. Our initial focus will be on K-5 teachers and administrators, as we have found that to be the most effective place to start. Contact Ana Houseal or Martha Inouye to get started with your WySS* adoption! 307-766-4925

Note: Because the name of the science standards is so long, we have chosen an abbreviated form: Wyoming Science Standards (WySS – pronounced “Wise”).
IN MEMORIAM: SIGRID SEE

A great friend of the Science and Math Teaching Center and of many Wyoming teachers, Sigrid A. See, 82, passed away Sunday, December 18, 2016, at the Platte County Legacy Home in Wheatland, Wyoming. She was born on January 29, 1934 in Wheatland, the daughter of Rex and Florence (Vedder) Anderson. She went to school in Wheatland through grade school and then went to school in Sunrise, Wyoming and graduated from Sunrise High School in 1952. She attended the University of Wyoming and earned a Bachelor of Arts degree in art education and she enjoyed art throughout her life.

She married Louie See on June 10, 1955, at the Guernsey United Presbyterian Church in Guernsey, Wyoming. Sigrid and Louie lived all over the United States, Guam, and Thailand. When asked what she did for fun she stated that she traveled the country and went to many foreign countries on freight ships around the world. She listed her occupation as a teacher, housewife, and world traveler. Sigrid was well known for her puppeteer skills and had the rank of an international puppeteer. She made all of her own puppets. When back in Wheatland to visit her family she did many shows for the young children at the Platte County Library. Louie and Sigrid retired and returned to Platte County in 1994.

As a tribute to her parents, Sigrid established the Rex and Florence Anderson Memorial Fund which grants scholarships to Wyoming teachers in SMTC graduate programs. She also donated funds for the Sigrid A. See Scholarship in the SMTC. Since 2009, teachers in the Middle-level Science and Middle-level Math graduate programs have received tuition scholarships of nearly $200,000 from these endowments. Students wrote thank you letters to Sigrid and told her about their classes, students and careers. She always looked forward to the packet of letters and said that she read every one and loved hearing about their lives. She helped many educators improve their teaching and that will continue. What a wonderful legacy for the teachers and students of Wyoming. She will be missed!
With the recent downturns in the energy industry in Wyoming, it’s worth considering what we understand about the history of energy in Wyoming and its impact on the economics and development of the state. Although energy resource development has significantly impacted Wyoming since its inception, energy literacy education has failed to gain a foothold in our schools. Energy education programs have gone through boom and bust cycles just like the energy industry.

So what’s new and why will it be different this time?

The Wyoming Energy Education Initiative (WEEI) is an interdisciplinary collaboration between the School of Energy Resources, College of Education, and other STEM-related disciplines. WEEI seeks to enhance energy education in Wyoming’s K-12 schools and to provide students with the knowledge and critical thinking skills necessary to address the challenges facing Wyoming energy use and development.

WEEI intends to improve the understanding of energy’s role in this state by creating a statewide K-12 energy education approach that (1) engages a breadth of educational, political, industrial, environmental and agricultural stakeholders to support K-12 educational efforts in the state; (2) is coordinated and cohesive; (3) targets district and state-level systemic advances (rather than simply developing curriculum programs); and (4) provides long-term, ongoing support and resources to educators and communities.

In order to accomplish this, WEEI is creating an Energy Education Council comprised of distinguished educators representing each of Wyoming’s five geographic regions, the Wyoming Department of Education and community colleges. The council members, under the direction of Social Studies and Science Education faculty from the University of Wyoming (Pete Moran, Alan Buss, Kate Welsh and Sylvia Parker), will support a network of K-12 teachers and schools through professional development seminars.

Starting this spring, WEEI will begin reviewing and evaluating existing resources, establishing a clearinghouse for vetted resources, developing needed resources for targeted content and pedagogies, and planning and implementing workshop seminars targeting interdisciplinary, problem-based learning with Wyoming’s energy use and resource development as context. In the future, the Energy Education Council members will also pilot classroom lessons and resources and offer professional development workshops.

ACKNOWLEDGEMENTS
We gratefully acknowledge the support and partnerships of University of Wyoming’s EPSCoR program, College of Education, College of Arts and Sciences, UW Art Museum, Department of Art and Art History, Berry Center for Biodiversity, Biodiversity Institute, Haub School of Environment and Natural Resources, MFA in Creative Writing, College of Engineering and Applied Sciences, Department of Electrical and Computer Engineering, School of Energy Resources, The Cooper Center, ARK Regional Services, and Teton Science Schools.

The SMTC is devoted to excellence in P-20 science and mathematics teaching and learning. Functioning as an interdisciplinary collaboration between the College of Education and the College of Arts and Sciences, the SMTC facilitates professional development that supports educators in Wyoming and across the United States.