

Founded in 1977, growing the AISES membership above our current 5,900 individual members is key to achieving our mission. AISES supports 230 affiliated pre-college schools, 196 chartered college and university chapters, 5 tribal chapters, and 18 professional chapters in the U.S. and Canada. We promote the highest standards of education and professional excellence to widen the STEM workforce and grow sector support. We highlight the geographic, economic, and social aspects of STEM education and careers.

In addition to awarding nearly \$12 million and counting in academic scholarships.

AISES offers internships, professional development and career resources, national
and regional conferences, leadership development summits, and other STEMfocused programming.





Learn More About AISES



Our Staff
Our Board
Council of Elders
AISES Circle Partners

About AISES

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Advisory Councils

Academic Advisory Council Canadian Indigenous Advisory Coun Corporate Advisory Council Government Relations Council Professional Chapter Council Tribal Nations Advisory Council

OUR STORIES







AISES is dedicated to supporting early, mid, and executive professionals in STEM fields through professional development, career opportunities, networking, and research support to mentors who support professionals in STEM, AISES' support does not end once a student graduates from college and enters a STEM career, but rather provides ongoing career and professional development programming to help Native STEM professionals grow and succeed in their chosen career fields. Additionally, AISES offers a multitude of opportunities for professionals to *give back" through mentoring and supporting Native STEM students.





Opportunities and Resources for Professionals



Become a Member Sequoyah (Lifetime) Membership

Chapters

Chapter Directory Starting a Professional Chapter Professional Chapter Reports Professional Chapter Awards .CAISES - Canadian Region of AISES

Opportunities

STEM and Business Professional of the Year Awards

OUR STORIES



There are many good reasons why one hundred Phoenix-based AISES members are active participants in the city's Professional Chapter For many, the most important is the opportunity to make a difference for Natives in STEM. Chapter members mentor.



Spotlighting Our Elders: The Council of Elders is an AISES mainstay

Meet the Council of Elders. Focusing on the mission: The Council of Elders Keeps AISES Grounded.



A part of every National Conference that focuses attention on the important work of AISES is our collective pause to recognize extraordinary accomplishments of our members. Congratulations to all the 2018 award winners!





In order to increase the numbers of Indigenous North Americans seeking degrees and careers in STEM fields, students must be started on the STEM pathway early. One of the biggest challenges in reaching this goal is ensuring that students, educators, and parents have access to information and resources related to STEM.

AISES administers many programs, services, and events for pre-college, undergraduate and graduate students designed to increase their access to college and support their success in in preparation for careers in STEM fields. Native college students need professional mentorship and peer support in addition to scholarship support. Students are most successful when they have a network of other Native students, as well as professionals who can provide ongoing support while they are pursuing undergraduate and graduate studies. AISES provides exactly this critically needed support through its programming.





Opportunities and Resources for Students



Become a Member Sequoyah (Lifetime) Membership

Pre-College Programs College Programs

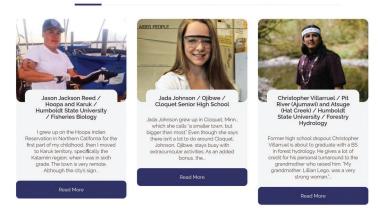
Chapters

Chapter Directory Student Representatives Starting a College Chapter College Chapter Reports College Chapter Awards Pre-College Affiliates .CAISES – Canadian Region of AISES

(p) Opportunities

Scholarships Internships AISES Career Hub National American Indian Science and Engineering Fair AISES Energy Challenge

OUR STORIES







The focus of the Pre-Collage Program is Xwareness and Retertion's ASEs engages in a multitude of programs and events that aim to ensure students are given exposure to first-rate science, technology, engineering, and math SIEMP programs and events. These experiences and opportunities support students in discovering, pursuing, and sustaining their interest in STEM as they prepare for their college careers and beyond.



The Pre-College Program supports early childhood through high school education and students in STE through teacher training, regional science bowts, science fairs, leadership development, mentorship, so internships and other programming designed to support students and their families.

PRE-COLLEGE PROGRAMS



FOUNDATION

Science and Engineering Flar Energy Challenge Robotics & Computer Science Seeding Innovation
National Conference Regional Conferences Leadership Summit Scholarships Tribal Community-Based Programs NYCP ANA SEDS Financial Literacy Indigenous Coders

National American Indian Science and Engineering Fair

The National American Indian Science and Engineering Fair (NAISEF) is an annual event for 5" to 12" grade students. The NAISEF is an affiliated fair with the Society for Science and the Public ISSP indiated science fair and is part of the larger SSP fair network. The NAISEF differs from other SSP-affiliated fairs in that it is an in-person and virtual fair.

AISES awards prizes to senior and junior division winners. As well as, awards travel and registration stipends for the Senior Division Grand Award winners and their sponsors to attend the International Science and Engineering Fair.



2022 NAISEF Winners

Senior Division Awards

NAISEF Winner and Regeneron Biotechnology Award Recipient

Activated Charcoal on the Filtration of Contaminated Well

As a member of the Nanticoke Tribe, I am acutely aware As a member of the Natriccies' Tibe, I am acutely aware
that my tybe, along with many other tibes throughout the
continent, face a continuous problem due to contamination
of their natural water resources. Much of the contamination
comes from nearby industrial plants which often dumy
waste into the local water sources. The objective of the
experiment is to inchance the performance of a charcost filtration system using casein
provider. It is hypothesized that if providend casein is used in conjunction with charcost as
filtration and the contamination of the contamination



National Geographic Society, Cultivating Empathy for the Earth Award Recip



Testing Kit in PPM (parts per million).

Anabaah Nelson (Navajo) - "Mycellium Growth in Martian Soil Simulant"

Mycelium is the vegetative part of a fungus and is composed of thread-like filaments which web to create a network of roots that absorbs, digests, and decomposes nutrients from its surrounding ecosystem. By using their

Authents from its surrounding ecosystem by using their natural digestive abilities. The engines crist minyclial produce an even degrade complies compounds that simpler byproducts, survaveling long chains of molecules into more easily degestable forms for other organisms. Able to grow most anywhere, the immerse value of mycellum does not end three in many ecosystems, it is the foundation, and its natural processes support most surrounding life. More specifically, mycella releases minerial and other organism collected foundation, and the natural processes support most surrounding life. More specifically, mycella releases minerial and other organism collected foundations foundations. In the solice of the surrounding life is the surrounding life in the solice foundations. In the solice is the surrounding life in the surrounding life is the surrounding life in the surrounding life is the surrounding life. The surrounding life is the surrounding life is the surrounding life in the new entities/hootes to take the place of dead matter in other words, remove mycella for an environment and the ecopyleter in to longe able to function. But what can be said about the inverse? If there is a previously uninhabilisable environment where you successfully integer mycellum, and life now be sustained? In order to answer this question, this experiment is aimed at attempting to sustain mycellum growth in a Nartian drift shundar with high CO2 air content. Not only vaucid this shed light on the true potentia of mycellum, but also scraich the surface of Martian colonization and hint at solutions to successful human hebitation.

