2019–2020
ANNUAL REPORT
IOWA STATE UNIVERSITY
CHALLENGE
LEARN
INSPIRE
MASTER
BELIEVE
Letter from THE DIRECTOR

Dear Friends and Supporters of Science Bound,

There is a saying that “Life is about accepting the challenges along the way, choosing to keep moving forward, and savoring the journey.” This includes those challenges that may make you uncomfortable and perhaps give you butterflies in your stomach. They are energizing, but above all they test your limits and empower you to grow and learn about yourself.

Ms. Jen, Ms. Joce, and I were on a journey like this last year. It began with our attendance at the National Diversity in STEM Conference. More than 5,000 people of color came together to celebrate the research and educational achievements of young scholars from across the country. It was without a doubt one of the most impactful experiences of our lives -- and, we cheered on several of our Science Bound graduate and undergraduate scholars who were selected to present their research. The conference pushed us to new personal heights: it provided space for thinking critically about our program, provided new resources, and renewed our commitment to action and innovation in 2020.

We also had the opportunity to do team building, which played out in the form of a world-class ziplining course, featuring eight ziplines, two rappels, a strength course, and four sky bridges. This 3-hour long experience tested our limits, physical and mental strength, courage, and support of one another. The title of the course was ‘CLIMB,’ and it wasn’t until the end that we realized the power of this word. C.L.I.M.B., means an experience centered around Challenging, Learning, Inspiring, Mastering, and Believing. Upon learning this, we all knew that this was the right fit for Science Bound 2020.

As we reflect upon the 2019–2020 journey, we share this annual report with you, in honor of all of the commitments you, our partners, teachers, students/scholars, families, and staff, have made to advance the ever-changing landscape of the ASTEM workforce. It is an honor and privilege to serve as the Director of Science Bound, to support our students/scholars and families, and live this journey together.

Milestones and gratitude from this past year:

- Science Bound pivoted and provided programming virtually for the last half of the year, which enabled us to expand our current reach for summer programming – Learn & Earn and PAPAYA (Des Moines previously) were offered to all High School scholars across the districts;
- We welcomed and are grateful for new and renewed corporate and nonprofit partners (both in kind support and financial);
- We worked together with innovators at ISU and partner institutions on a new USDA grant (C–CHANGE) which will provide continued support and opportunities for our scholars year-round; and,
- We honored the achievements of our High School and ISU Graduates during Signing Days and outdoor celebrations with teachers and families.

As we continue into 2021 and beyond, we challenge each of you to continue to C.L.I.M.B. along with Science Bound.

With much appreciation,

Dr. Alexis Campbell
The mission of Iowa State University is to “create, share, and apply knowledge to make Iowa and the world a better place.” This mission is woven into the fabric of Science Bound, as demonstrated through this year’s theme of C.L.I.M.B.

**Challenge. Learn. Inspire. Master. Believe.** That’s what Science Bound strives to accomplish through its students and scholars and is interwoven with Iowa State University's mission and vision statement in two main ways:

**Goal 1:** Ensure access to the ISU experience, culminating in an exceptional education offering practical, leadership, and global opportunities that shape the scholars into the well-rounded citizens and informed critical thinkers needed in the 21st century.

**Goal 2:** Improve the quality of life of all Iowans through programs and services dedicated to economic development and the promotion of healthy people, communities, and environments.

As we focus on the first word of our theme – Challenge – we acknowledge that this was definitely a year full of challenges for not only our program, but for the students, schools, communities, and world at large. The beginning of the year started out on track, and we were able to offer programming centered around supporting Iowa youth and empowering students and scholars of color to excel in ASTEM fields – agriculture, science, technology, engineering, and mathematics. Much of this programming was provided in-person, which offered opportunities for students and scholars to visit Iowa State University, experience a camp adventure, and meet students and mentors from other schools.

However, with the threat of COVID-19 in early spring, in-person opportunities ceased, and we were unable to finish the school year as intended. This left us with the question of ‘how do we best serve our students and families?’ This was a powerful question, and thanks to the staff and teachers, we began re-imagining how we can continue to deliver ASTEM experiences while fostering the Science Bound community we know and love.

These students and scholars truly shined despite the many challenges of 2020, and we are delighted to share some of their stories and accomplishments with you. As we were not able to publicly highlight the achievements of our scholars, this annual report will serve as that public recognition for their academic achievements and commitment to their pursuit of education and future careers.
A C.L.I.M.B. begins with that first step

Science Bound invites more than 125 eighth graders to participate in the program each year. However, this isn’t just any invitation -- it’s an invitation to endless possibilities, where students will meet new people, learn invaluable leadership skills, and lay the foundation for their futures. Once families commit to Science Bound, students will participate in the following intentional experiences:

- **An Orientation** for all districts, providing personal development and team-building activities where students begin to form a Science Bound identity, connect with other students and staff, and create a strategy for success.
- **Algebra Champions** (in the Des Moines district), an educational program that teaches key math concepts students can use in the coming years.
- **Biweekly Meetings** led by Science Bound middle school teachers with the purpose of developing a local support system among their peers and Science Bound teachers.
- **The Environmental Sciences and Goal Setting Retreat**, which enables all 8th grade students to come together with their teachers, Science Bound staff, and Iowa State scholars to experience environmental science and develop SMART academic goals. The retreat, frequently noted as a source of fond memories, takes place at the Boone Y Camp.
- Three **Science Bound Saturday** visits (8th – 12th grade), providing opportunities for all pre-college Science Bound students and scholars to visit the Iowa State campus. Students learn about a wide variety of ASTEM fields through activities conducted by Iowa State faculty and staff.
- **Learn & Earn**, an academic program in Des Moines where students increase their math skills and confidence, helping to ensure a smooth transition to high school.

Accountability is a key component of the Science Bound program. To continue within the program and earn the title of Science Bound Scholar, students must write an essay that communicates what they have gained from their experiences in Science Bound and illustrates how they will contribute to the program if invited to continue. These experiences and requirements will help ensure that students successfully make the transition to high school — both academically and as a Science Bound scholar, as well as where they’ll be introduced to the value of serving their community, leading others, and inspiring the next generation.

Now scholars, 9th – 12th grade students continue to build the tools they need to thrive in the ASTEM world. This includes: ASTEM explorations (academic, industry, summer experiences, etc.), maintaining GPA and participation requirements, weekly meetings with their High School teachers, and engaging in family meetings. Additional components of the high school program include:

- **An ASTEM Career Exploration or Science Fair Project** to hone their professional interests and develop as leaders.
- **Oral Justifications**, (annually) enabling scholars to reflect upon the year through a professional speaking engagement.
- **Countdown to College (C2C)** program, designed to provide additional support to students and families as they navigate and prepare for college. It provides direct access to Science Bound staff, Iowa State Admissions and Financial Aid representatives.
COVID-19 Challenges

Over the past year, COVID-19 has changed everyday life for nearly everyone on the planet, and the Science Bound program has been no exception to the necessary modifications and precautions that must be taken. This year, we have the honor of partnering with the largest number of students and families we ever have, more than 525 students and scholars! Because of the large number of students and risk involved with in-person contact, it was decided to hold all Science Bound events and meetings virtually into the new year, 2021. This has included walk-through and drive-through events, supply pickups for virtual Science Bound Saturdays and summer programming in order to provide students/scholars with as much of the “real” experience as is possible. Each school’s weekly programming has and will continue to be held in accordance to their district guidelines and teacher discretion. One exciting outcome from this has been virtual hangouts by grade level. These opportunities provided Science Bound students/scholars a time and space to interact with their peers from different schools while meeting in person was not an option. Our students/scholars demonstrated deep commitment during this time to their academic journeys and our Science Bound community, and that should be celebrated!
Celebrating the accomplishments of our High School and ISU graduates!

We are delighted to partner with a local business (Chellie Sugar Shack Bakery) to provide family-sized cakes to each of our graduates!

Lisbeth, Maria, and Amy (Marshalltown Senior Graduates) celebrating their success!

Marshalltown High School & College Graduation Celebration

Denison Senior Graduate Oscar and his mom celebrating his accomplishments!

The Robles Family celebrating the graduation and achievements of their daughter Jennifer (Hoover High School)!
100% Participation
GPA > 3.75

Denison High School
Mariela Alfaro
Gustavo Alvarez
Ashley Aragon
Kelly Arriaza
Juliana Barajas
Estephani Barroso
Adrian Barroso
Stephanie Bernal
Luis Ernesto Carbajal
Esteban Castellanos
Kassandra Chino
Jessie Dominguez
Oliver Duran
Jasmine Flores
Angela Garcia
James Garcia
Marlin Garcia Sandoval
Guadalupe Garcia-Paz
Joana Gomez
Sofia Guzman
Alex Hernandez
Jamie Ibarra
Jazmyn Ibarra
Jazmine Iglesias
Ana Lara
Kally Lara
Kimberly Lara
Anthony Lopez
Cynthia Lopez
Evelyn Lopez
Jocelyn Marquez
Oscar Morales-Garcia
Aleek Mun
Adrian Velasquez-Nieto
Saribel Ornelas
Alberto Inri Ramirez
Danely Ramos
Jocelyn Ramos
Genesis Rodriguez
Maxwell Rodriguez
Hanry Santamaria
Jose Santamaria
Jonathan Valle
Jesse Velasquez
Anahi Velasco
Amanda Zarazua
Jose Luz Zaragoza

East High School
Abdiabshir Ahmed
Abdifarhan Ahmed
Jawad Ali
Juan Argueta
Marisol Argueta-Hernandez
Heidy Artero-Quijano
Ahnet Bogess
Tayjah (Marion) Butts
Idania Carrillo
Keiry Chavez
Lesly Chavez-Estrada
Jaeda Dekoter
Aaliyah Freeman
Denzel Gomez
Selena M. Gonzalez
LeAnya Grogan
Ena Guerra Caballero
Kareyna Holmes
Galilea Lechuga-Barragan
Amare Lee
Priscilla Macias
Aeelyn Magallanes-Tristan
Alexandra Momany
Andy Montalvo-Martinez
America Mungiua
Cosmas Nyaika
Abigail (Abby) Padilla
Natalia Ramirez-Carbaldó
Jenny Reyes
Pablo Rios
Oscar Saldana
Jada Turner
Ding Tut
Rocky Vizcarra

Hoover High School
Afraa Adam
Kaanakia Katie Adoobe
Teran Bates
Manuel Camarena
Roger Castillo Ramos
Tristian Dang
Nyamal Ding
Anthony Garcia
Alisala Mwamba
Kaleb Nichols
Arabia Parkey
Gabriel (Gabe) Peterson
Jennifer Robles
Caliyah Saxton

Lincoln High School
Santos Campero
Kira Canada
Lisseth Contreras
Vanessa Cruz
Luz Flores-Maciel
Gisele Galan-Perez
Natalie Gonzalez
Stefania Hernandez-Ramirez
Maryfer Hernandez-Ramirez
Alexis Ibarra
America Jarillo-Montero
Bintu Lumeh
Brian Martinez-Flores
Diana Mesinas-Ward
David (Paco) Peña-Medina
Brandon Ramos
Israel Smith
Tarminta Sonkaliey
Juan Terrazas
Jevon Thompson
Shareonna Walker
Saniah Williams
Kameron Young

North High School
Jonathan Acevedo
Moises Avila-Muñoz
Rosy Banda-Rivera
Naomi Basanez-Arroyo
Saata Corneh
Giselle Echeverria
Akpobari Godpower
Barinua Godpower
Daisy Hernandez
Yazmine Hernandez
Janida Magallanes
Tonatiuh Merlos-Rojas
Aime Mukiza
Samuel Murillo
Nyathak Nam
Esterine Ninkunda
Bostin Oakley
Juan Carlos Oropeza
Agustin Cruz Oropeza
Julian Perez
Justin Quintero
Janely Quinteros
Karina Rivera
Fatima Santibanez
Alexandra Santibanez

Roosevelt High School
Keila Almendarez-Rodriguez
Ariana Balderas
Rose Berber-Solis
Taytum Boens
Kayla Brenes-Torres
LaNaezha Brooks
Trinity Cheatom
Durrell Davis
Leslie Delgado
Alexander Flores-Alonzo
Samira Gado
Alexander Granados Nava
Arianna Jackson
Mary Elizabeth Kitundu
Roaa Kordeir
Tirmidi Mohamed
Ezra Odole
Osman Ortiz Rivera
Jonathan Rojas
Anthony Schwindt
Leilani Simpson
Haylee Smith
Esther Ubadiigo
Briyahm Warner
Kennedy Williams

Marshalltown High School
Maria Aguilera Torres
Emily Albarran
Moses Albarran
Aida Almanza
Araseli Barron
Lizeth Castillo
Cesar Corona
Hector De La Cruz
Sebastian Guetierrez
Juan Hernandez
Leticia Herrera
Alexis Ibarra Mora
Sitelali Lara Perez
Denise Montealegre
Manuel Peña
Jolcey Santana
Luis Servin
Joel Hueso
Seth Smith
Amy Yepez-Gomez
Meah Yoeman
Alejandra Zamora
COMMUNITY AND FAMILY

The Iowa State Science Bound program encompasses the values of building community and creating a family environment. With the large involvement of families through the pre-college program, Science Bound aims to keep up the tradition of making the program community/family oriented through the college program. Once high school seniors meet the program’s expectations, they earn a full-tuition scholarship to pursue a degree in ASTEM or ASTEM education. The college program’s intent is to provide support and promote success to the scholars. Some of the programming includes:

- **First-Year & All Scholar Retreat.** The first-year retreat focuses on the transition of first-year scholars and introducing them to campus. The all-scholar retreat focuses on the importance of community building and connecting with the larger community across campus and with one another.
- **First year seminar.** The first-year seminar promotes college readiness in developing study skills, understanding of the ASTEM field, along with the opportunity for the first-years to present at their alumni high school on the transition to college.
- **Second year seminar.** The second-year seminar develops scholar’s ASTEM identity, preparing scholars for career fairs and internship opportunities, and focusing on the intersection of identities, and gaining a deeper understanding of what it is to work in their field.
- **Academic Success Program.** The Academic Success Program provides extra support to scholars through regular meetings with Student Program Coordinators (SPCs), calendar planning workshops, and more to ensure a successful semester.
- **One-on-one meetings.** First-year scholars meet with SPCs to ensure their transition into college goes well. This also gives the first-years an opportunity to develop their relationship with SB staff.
- **Student Advisory Board.** The Student Advisory Board was established in Spring 2019 to give the undergraduate scholars a voice when it comes to building community. This past year, some of the events that were held by SAB were Cookies and Cocoa, Dodgeball Night, and Painting Session.

ISU SCHOLAR SPOTLIGHT

Gustavo Flores

“I would say Science Bound would let you know there’s other doors out there. They also prepared you academically and professionally by doing a lot of seminars, workshops with you on how to apply for college, FASFA even within once you’re in at Iowa State. They help you with your courses. Also, they help you get out your comfort zone. They encourage you to go even as a freshman to go to the career fair, even though you are not academically or professionally competing with the upperclassmen but they want to see get you out of your comfort zone and just be there in see how it looks like how it goes and just get that experience,” said Flores.

He also gave advice to Science Bound scholars. “My advice is to trust the process. There are some things that students don’t want to do, but it’s for your own good, gets out of the comfort zone and just don’t be afraid to get out your comfort zone, always ask for help from the upperclassmen, from your mentors, Science Bound staff or any faculty from the university. I would also say get a mentor someone in the field that you want to go into. I would say but just any mentor guides you to the right path you want to go to,” said Flores.

After completing his degree in nutritional science, Gustavo applied to pharmacy school. Gustavo is currently a first-year pharmacy student at Drake University. Some of his future goals are to obtain a dual degree of Pharmacy and a Masters of Business Administration. Gustavo plans on applying to residency programs after graduation to have a competitive edge in the field, and his goal is to be a clinical pharmacist within a hospital.
FALL 2019 ISU SCHOLAR RETREAT

Agriculture and Life Sciences 26
Business 10
Design 2
Engineering 31
Human Sciences 27
Liberal Arts and Sciences 29

153
ISU SCIENCE BOUND SCHOLARS

88.9%
ASTEM MAJORS

Undergraduate Scholars
Non-Scholarship Undergraduate
2020 Graduates
Science Bound summer programs go virtual!
During the summer, 9th-12th grade scholars have the opportunity to engage in summer ASTEM experiences to complete their Science Bound requirements. Here are a few highlights from the past year:

Research Experiences for High School Students
Five scholars took part in virtual research experiences, CyBound or Project SEED!
- **CyBound** – a partnership with ISU faculty members who host a scholar for an 8-week, paid research experience. This year’s program featured Dr. Amanda Weinstein, Physics & Astronomy Department, who hosted Stefania Hernandez-Ramirez from Lincoln High School in Des Moines.
- **Project SEED (Summer Experiences for the Economically Disadvantaged)**, sponsored by the American Chemical Society, is a 4-week, paid internship program. This year scholars worked with scientists, explored careers in chemistry, and received mentoring in college preparation and professional development.

Learn & Earn (L&E)
This year, the L&E program featured champion teachers, three school districts (totaling 180 committed scholars!), and 5 weeks of accelerated math and agriculture content. The teachers demonstrated their ability and know-how as they took on new challenges, utilized multiple platforms for both synchronous and asynchronous instruction, and offered hands-on activities for scholars by providing supply deliveries.

Central to the program were daily and weekly motivational videos surrounding C.L.I.M.B., led by Jarrel Johnson, while openings and closings set the intention for the week. We are grateful for our continued partnerships with Corteva (Agriculture and Biological Science course) and Principal Financial (Actuarial Science/Statistics course) who brought real-world experiences and professionals to our scholars.

Papaya 2020
For a second year, Science Bound partnered with Al Éxito to host PAPAYA, Power and Perception of Youth Action. The team, led by Dr. Ricardo Martinez, grew this year to include Dr. Mollie Appelgate, Ezequiel Aleman, and Nadine Veasley (ISU Science Bound Scholar). More than 50 students participated in the 2-week experience, which integrated mathematics, art, entomology, technology, and identity while empowering youth to complete research. A highlight of the program features student voices shared through poems and artwork.
The Clarke program continued its inaugural year with many firsts. The 8th grade students participated in their first ‘Nothing Less Than Success’ Science Fair. This is a key component of every Science Bound student’s journey through the program, and we were thankful for the great support shown by Osceola Foods and Clarke administration serving as judges. Students had the opportunity to attend their first overnight Environmental Science and Goal Setting Retreat at the Boone Y Camp. The retreat was full of community-building activities that helped the group grow together, including cooking at a campfire, a nature night hike, and stream ecology. In the spring, they completed essays, reflecting on their experiences with the program. Six students successfully completed all requirements and crossed over to the Clarke High School Science Bound Program. They are our first class of Clarke Science Bound Scholars.

Over the summer, we welcomed ten new students, who will make up the second class of 8th grade Science Bound students. Additionally, we are honored to have two new 9th grade students, as inductees, into our High School Program. Leading the Clarke program are three passionate teachers – two supporting Middle School Students and one supporting our High School Scholars.
SCHOLAR OF THE YEAR 2019–2020
Aida Almanza

Aida Almanza said Science Bound has impacted her academically by helping her achieve more than just an average student. “I like excelling higher, being challenged, I’m not really afraid to take risks. Science Bound prepared me for that. Things in life come up, especially in your education. I think Science Bound help me with my academics and professionally,” said Almanza. Almanza also joined several events organized by Science Bound. “I feel like these events prepared us professionally by telling us when to dress up and how to dress up, that’ll also help us in our future when we have future interviews,” said Almanza.

“If not for Science Bound, I wouldn’t be here. I guess I wouldn’t know where I would be. If it weren’t for Science Bound, I feel like I would not be able to go to college because my parents don’t have enough money for it,” said Almanza. Her advice to Science Bound students is to really get involved. “If you are able to volunteer in the career that you’re interested in, that will really help in the future,” said Almanza.

Aida Almanza is majoring in Kinesiology and is interested in Health for Human Medicine. The reason she chose it was because it was more towards the career she wanted to pursue. She has not looked back since, it’s fun and something that brings her joy.

PARTICIPANTS: 69
RETENTION RATE: 94%
HONOREES WITH GPAS OF 3.75 OR ABOVE (scholars in grades 10–12): 35%
HONOREES WITH 100% PARTICIPATION: 31%
NUMBER OF TEACHERS: 6
DENISON

SCHOLAR OF THE YEAR 2019-2020
Kally Lara

“Science Bound has impacted me academically by making sure I stay focused on my grades, I prioritize my grades, everything else comes next. And professionally, they gave me a lot of opportunities especially at the end of the year,” said Lara. She also mentioned that Science Bound helped her prepare for big interviews. Science Bound helped her practice her skills when presenting and being professional.

“If not for Science Bound, I wouldn’t be so hungry to pursue a higher education. I want to I believe, I wouldn’t have tried so hard to high school, honestly,” said Lara. Science Bound also helped her make really good connections. “Science Bound pushed me to do APEX program, which is a really good program. And through APEX, I got to meet some of the head people in design. So that’s really nice that I got through Science Bound,” said Lara. Her advice to Science Bound student is to keep your options open. “Science Bound definitely gives you a lot of different experiences where you can explore different majors.” said Lara. Laura graduated from Denison High School. Currently she’s in pre landscape architecture program at Iowa State University.

PARTICIPANTS: 78
RETENTION RATE: 97%
HONOREES WITH GPAS OF 3.75 OR ABOVE (scholars in grades 10–12): 57%
HONOREES WITH 100% PARTICIPATION: 42%
NUMBER OF TEACHERS: 7

The Denison High School program started the 2019–2020 year with their annual Kick-off. Seniors took the lead and shared about their Science Bound experiences and next steps for the coming year. As the fall went on, an adventure began for the students. They worked to raise funds for a trip to Kansas City and in early December, 63 scholars, five teachers, and three Science Bound staff visited Science City at Union Station. They participated in an ASTEM scavenger hunt and experienced the planetarium. For an added cultural experience, the group enjoyed a hibachi lunch then visited the Watkins Wollen Mill State Historic Site. In the spring, scholars applied for new summer ASTEM experiences, Learn & Earn and PAPAYA. Additionally, four scholars joined 22 Monona County youth at the Monona County 4–H swine program, a hands–on animal science educational exploration. Our scholars are continuously living our theme C.L.I.M.B., and these four won awards after completing 65 hours of work including, livestock showmanship, cuts of meat, ethics, biosecurity, breeds, proper feed rations, rate–of–gain, and many more.

The Denison Middle School Science Bound program participated in an orientation in August with Miller and Clarke Community Middle Schools at Iowa State. Throughout the year, they focused on fulfilling the requirements of the Science Bound 8th grade program. During their first Science Bound Saturday, alongside all 8th graders, they participated in a scavenger hunt exploring and learning more about the Iowa State campus. Denison High School scholars served as group leaders. They participated in the environmental and goal-setting overnight retreat with all 119 8th graders, 24 teachers, staff, and Iowa State scholars. They then concentrated on developing, executing, and presenting their science fair projects. The 8th graders wrapped up the year by submitting reflection essays.
SCHOLAR OF THE YEAR 2019–2020

Osman Ortiz

Osman Ortiz said Science Bound has allowed him to push himself academically. “If I didn’t have Science Bound to motivate me all the time, I probably wouldn’t have had such a strong GPA [in High School]. I wouldn’t be trying to like strive for higher as I am here [at Iowa State].”

Ortiz shared that “Without Science Bound, I probably wouldn’t be a first-generation college student. I didn’t really picture myself as being [in] college until I was introduced to join the Science Bound program... it’s just the aspect of letting me know that I can get this far and beyond.” His advice to students is to stick with Science Bound, because Science Bound is here to support you, in all aspects, along the way. “If you are a person of color, don’t be discouraged, you are there for a reason. So, keep your head up and just keep driving because, you’re obviously, bound for success. Just keep going, keep pushing forward, always strive high, because the sky’s the limit. But you got to push yourself to do it.” Osman Ortiz graduated from Roosevelt High School. Currently he’s an undergraduate student in chemical engineering program at Iowa State University. He likes chemistry and engineering. Congratulations to our Scholar of the Year for the Des Moines Public School District!

BY THE NUMBERS

PARTICIPANTS: 326
RETENTION RATE: 90%
HONOREES WITH GPAS OF 3.75 OR ABOVE (scholars in grades 10–12): 48%
NUMBER OF TEACHERS: 34

During the fall, the participating Des Moines Public Schools high schools engaged in career and science fair projects. Hoover and North High Schools showcased their scholars' work in a combined science fair event. From these projects, 13 qualified for the State Science Fair at Iowa State! Several programs incorporated team-building activities and reflection time, which proved invaluable as COVID modifications began to set in. A few highlights from spring include: Lincoln’s family night that featured a design and build balloon furniture STEM competition and scholars from East High School volunteering at Meals from the Heartland. Rounding out the year, seniors accepted their scholarships during a signing day, which was followed by a group presentation discussing how they have grown from their participation in the program, its impact on their futures, and what their class legacy is. Through this work, senior scholars demonstrated their commitment to C.L.I.M.B.

Algebra Champions kicked off the Des Moines 8th grade program and included 85 incoming 8th grade students participating. The program serves as an introduction to Science Bound and also builds the students' algebra skills. Throughout the two-and-a half-week program, students were given a pre- and post-test that yielded an average score improvement of 350%. Students at McCombs Middle School had the opportunity to pilot a new STEM program at Skate South where they manipulated and took apart skates to see how they worked. All 8th grade students came together for a seminar at McCombs where they participated in the Path of Life game, checked out other science fair projects. Students rounded out the year reflecting on their first year in the program by writing an essay on their experiences.
CELEBRATIONS

We would like to congratulate Dr. Ricardo Martinez and Dr. Tyanez Jones on earning their PhDs in Education!

We are also excited to congratulate Mr. Eli Devine on earning his M.Ed. in Secondary Math Summer 2020. He is now at Marshalltown High School teaching various math courses and will continue to impact our scholars as a Science Bound teacher!

They have all done tremendous work with our Science Bound Scholars, and we value all that you have brought to our Science Bound Family. We wish them the best in their future endeavors!

OUR CURRENT STAFF

Director: Dr. Alexis Campbell
Program Manager: Mayra Stephanie Ramirez
Student Program Coordinators:
  • Jocelyn Drzycimski, Des Moines Program (Spanish support)
  • Brian Le, Iowa State Program
  • Jennifer Velasquez, Clarke, Denison, and Marshalltown Program (Spanish support)
Program Assistant: Tracie Miller, Fiscal Liaison and General Program Support
Administrative Assistant: Kristi Madsen (Fulton)
Graduate Students: Eli Devine, Carmen Jones, Dr. Tyanez Jones, Dr. Ricardo Martinez, Jarrel Johnson, Holden Gray, and Hannah Dong

THANK YOU!

We hope our scholars have encouraged you to live out our theme (Challenge. Learn. Inspire. Master. Believe.) just as they have done for us.

With much appreciation,
The Science Bound Family
Science Bound is Iowa State University’s premier pre-college through college educational program created to increase the number of racially and ethnically diverse Iowans who earn degrees in agriculture, science, technology, engineering, and mathematics (ASTEM) and education. Science Bound partners with middle and high school students, their families, and corporate partners in the Clarke, Denison, Des Moines, and Marshalltown Community School Districts.

Thank you to our partners and funders.